

19971201.qrp v00_n926.qrs.971201

Date: Mon, 1 Dec 1997 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 926

QRP-L Digest 926

Topics covered in this issue include:

- 1) [31612] Re: KA80KH Fox Log
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 2) [31613] Anything but Re: Verticals w/o radials work!
by "Marshall Emm" <mgemm@mtechnologies.com>
- 3) [31614] Prizes for NorCal 2N2222 Dayton Building Contest
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 4) [31615] FS: Heathkit QRP Rigs
by KB8UMD@aol.com
- 5) [31616] MFJ CW Transceivers
by Mike Martin <mmartin@internetni.com>
- 6) [31617] AK to Japan
by John Pendrey <flyfish@ptialaska.net>
- 7) [31618] Tim fox on now !!!!
by "Steve Hurst" <shurst@magiclink.com>
- 8) [31619] Re: Suggestions for window feed-throughs?(Those with bad hearts...delete)
by n5inz@juno.com (John M Andrews)
- 9) [31620] Results: "Rotten Parts" Contest
by n5inz@juno.com (John M Andrews)
- 10) [31621] Re: Mag wire and toroid questions
by gsurrency@juno.com (Gary Surrency)
- 11) [31622] Re: Suggestions for window feed-throughs?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 12) [31623] FS: TT Step Attenuator
by KB8UMD@aol.com
- 13) [31624] CQWW Operation
by wp4jxd@prtc.net (wp4jxd)
- 14) [31625] RE: Few questions
by Tom Morgan <liveoak@sccoast.net>
- 15) [31626] Re: FS: Heathkit QRP Rigs
by KB8UMD@aol.com
- 16) [31627] FS: Whiterook Keyer
by KB8UMD@aol.com
- 17) [31628] SGC2020/K2
by N4JS <n4js@pobox.com>
- 18) [31629] FS: Heath QRP Tuner
by KB8UMD@aol.com

- 19) [31630] How to vary gain of MAR-6 MMIC?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 20) [31631] Re: Fox 2 night ??
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 21) [31632] Re: Suggestions for window feed-throughs?
by Paul Helbert <phelbert@rica.net>
- 22) [31633] FS: TS-130V qrp rig
by Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
- 23) [31634] CQ WW contest: Zone 40!
by Joel Malman <malman@BBN.COM>
- 24) [31635] RE: MFJ CW Transceivers
by Rich Mulvey <mulveyr@FRONTIERNET.NET>
- 25) [31636] FS: INDEX QRP+
by "Tim Ahrens" <tahrens@inetport.com>
- 26) [31637] W0CQC on CQWW
by ALK0FRP@aol.com
- 27) [31638] FOX: N0UR Tuesday eve (Wed. AM Zulu)
by Jim/N0UR <LAGESON@worldnet.att.net>
- 28) [31639] Wow!--1/2 watt, actually!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 29) [31640] qrp and cq ww cw test
by Rick Zabrodski <zabrodsk@med.ucalgary.ca>
- 30) [31641] CQ WW contest: Zone 40!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 31) [31642] Build 'em if you got 'em
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 32) [31643] CQWW CW '97 /qrp/VE7
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 33) [31644] CQ WW CW Contest
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 34) [31645] N/T+ Foxhunt of 01 DEC 0200-0400 UTC
by ARDUJENSKI@aol.com
- 35) [31646] Re: MFJ CW Transceivers
by Roger Whitaker <k9ljb@iname.com>
- 36) [31647] Re: CQWW Operation
by wp4jxd@prtc.net (wp4jxd)
- 37) [31648] TYPO Alert!
by Joel Malman <malman@BBN.COM>
- 38) [31649] Help with Model No. 1330
by Ka0yos@aol.com
- 39) [31650] RE: HW8/HW9/Tuner/Keyer *SOLD*
by KB8UMD@aol.com
- 40) [31651] Re: Solar Flare - The novel / emp
by Leon Heller <leon@lfheller.demon.co.uk>
- 41) [31652] Re: MFJ CW Transceivers
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 42) [31653] CQWW CW 97
by k4wz@juno.com (RON L TODD)

- 43) [31654] Re: CQ WW contest: Zone 40!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 44) [31655] TYPO Alert!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 45) [31656] Nicky Rceiver
by George Dobbs <g3rjv@gqrp.demon.co.uk>
- 46) [31657] HW9/WARC for sale?
by "Jeff M. Gold" <jmg@tntech.edu>
- 47) [31658] Re: Nicky Rceiver
by K5BDZ@aol.com
- 48) [31659] OHR100a Bands
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 49) [31660] MFJ Vertical
by "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
- 50) [31661] Re: (Fwd) [CW] Is it possible to be left or right "eared" for CW?
by Wa2eaw@aol.com
- 51) [31662] 765 Mods
by Larry East <w1hue@amsat.org>
- 52) [31663] Re: qrp and cq ww cw test
by Dave Sjolin <sjolin@swbell.net>
- 53) [31664] Re: MFJ Vertical
by Dave Sjolin <sjolin@swbell.net>
- 54) [31665] Re: Need a regen schema
by Paul Harden <pharden@aoc.nrao.edu>
- 55) [31666] SST20 WAC
by bcutter@teal.csn.net (Bob Cutter)
- 56) [31667] Re: Need a regen schema
by K5BDZ@aol.com
- 57) [31668] NW80/20 from Dan's Small Parts
by mjmullins@dow.com
- 58) [31669] Re: Mag wire and torroid questions
by Brian Kassel <bkassel@dancris.com>
- 59) [31670] QRP Kits and Rigs
by "John T. Croteau" <johnc@geekopolis.com>
- 60) [31671] QRP in the O.R.
by jdenison@morelr.com (JOEL DENISON)
- 61) [31672] Schurr hand keys
by John Mckee <JMckee@RFMD.com>
- 62) [31673] 38s: TX/RX offset mod
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 63) [31674] 2N2222
by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 64) [31675] Re: How to vary gain of MAR-6 MMIC?
by Laura HALLIDAY <ve7ldh@direct.ca>
- 65) [31676] DRAKE TR-3 Sidetone answers.
by Ed Loranger <we6w@qsl.net>
- 66) [31677] FOX: STATE STANDINGS 1997/98 FOXHUNT
by Chris Cartwright <ccart@dns.vidtel.com>

- 67) [31678] 38s sideband supression help!
by "William F. Nicolson Jr" <n2wf@erols.com>
- 68) [31679] RE:"Suggestions for window feed-throughs?"
by Jade Account <jadepro@jadeprod.com>
- 69) [31680] HB: SWL Rx in Altiods tin
by Steven Weber <kd1jv@moose.ncia.net>
- 70) [31681] Logs for LI/NJ QRP Doghouse Operation Sprint Due 22 Dec 97
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 71) [31682] DSP recommendations
by Dale Scott <dcscott@us.ibm.com>
- 72) [31683] FS: Antenna & Keys
by W1LP@aol.com
- 73) [31684] Straight Key Survey
by "Marshall Emm" <mgemm@mtechnologies.com>
- 74) [31685] Re: 38s sideband supression help!
by Terres Family <terresfm@ncia.net>
- 75) [31686] Paddlette?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 76) [31687] Paddlette - quick answer!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 77) [31688] clementine boxes
by cooper@gmpvt.com (Tom Cooper)
- 78) [31689] Grounding Question
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 79) [31690] Re: qrp and cq ww cw test
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 80) [31691] FOX: N/T - NOGLM report - 27 Nov and 29 Nov UTC
by "Buck, Preston D" <BuckPD@corning.com>
- 81) [31692] FOX: N/T Schedule change - NOGLM
by "Buck, Preston D" <BuckPD@corning.com>
- 82) [31693] RE: Grounding Question
by Kevin Muenzler WB5RUE <wb5rue@amsat.org>

Date: Sun, 30 Nov 1997 18:59:50 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ccart@dns.vidtel.com" <ccart@dns.vidtel.com>, "Doc W.D. Lindsey/
K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [31612] Re: KA80KH Fox Log
Message-ID: <199711301901_MC2-2A23-6E24@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Chris:

Well, warmer climes will doubtless become more attractive as winter approaches ;^). Offers, anyone?!

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/27/97 14 of 17. The FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 30 Nov 1997 17:16:42 -0600
From: "Marshall Emm" <mgemm@emtechnologies.com>
To: nilsbull@juno.com (Nils R Young)
Cc: qrp-1@Lehigh.EDU
Subject: [31613] Anything but Re: Verticals w/o radials work!
Message-ID: <199712010016.RAA16792@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Nils ES Gang--

>>I wonder how Marshall got his wife to let him load up
the tree. Around this madhouse, we kill a tree every
<<

I'd like to tell you that I wear the pants in this family and do any
damn thing I want. Which is true to the extent that what I want to
do coincidentally what the boss wants me to do.

Fortunately SWMBO is an RN who works nights and sleeps days, so I
have lots of unsupervised play time.

I was prepared with a cover story though, just on the off chance
Wendy couldn't sleep. If discovered, my first line of defense was an
explanation that I was actually trying to see if I could get enough
power out of the radio to run the Christmas tree off the grid.

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com/mthome>
(303)752-3382
--

Date: Sun, 30 Nov 1997 16:35:18 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [31614] Prizes for NorCal 2N2222 Dayton Building Contest
Message-ID: <3.0.1.32.19971130163518.00689c74@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am pleased to announce that Mike C. has just informed me that QRP ARCI will be sponsoring the first place prize in the NorCal 2N2222 Building and Design contest at Dayton this year. And guys, hold on to your hats, its a dandy. The first prize will be an OHR 100A QRP Transceiver!! If that doesn't motivate you to build and enter the contest, I don't know what it will take. There will be other prizes to be announced later as we have more details.

Jim and I would like to thank Mike and the board of directors of ARCI for their support of QRP. The ARCI is our National organization, and they have been in business a long time. In recent years we have seen several regional QRP Clubs spring up, and I believe that it has been a very positive step. ARCI is supporting and nurturing the growth of these clubs through their support monetarily and editorially in the Qrp Quarterly. But it is not a one way street. They need your help and support in return. If you are in need of help, please contact the QRP ARCI President, Mike Czuhajewski <wa8mcq@u1.abs.net>. Mike has told me that ARCI wants to help all of the local and regional clubs, but he can't help unless you let him know what you need.

Dayton is going to be exciting again this year. Jim Stafford, Vice-President of ARCI is in charge of coordinating all of the events. There is an unbelievably exciting speaker for the banquet on Friday night (no it is not my place to announce it, so don't ask). NorCal will be there to support ARCI by hosting the annual NorCal Speaker Thursday night (Paul Harden, NA5N in 1996, and Roy Lewallen, W7EL in 1997), and Saturday night will feature three building contests: the NorCal 2222 Building & Design Contest, the NorCal K8FF Paddle Building Contest, and the K5F0

Unlimited Building Contest. That is just a small sample of the QRP activities scheduled for Dayton.

If you don't belong to ARCI, you should. They have an excellent journal, edited by Monte Stark, KU7Y of this list, they sponsor the Dayton activities, and they also sponsor several QRP contests and awards, which are handled by Cam Hartford, N6GA and Chuck Adams, K5FO. And now ARCI is taking an active interest in supporting local and regional clubs. Excellent job guys. 72, Doug, KI6DS/M0BIV

Date: Sun, 30 Nov 1997 19:46:23 -0500 (EST)
From: KB8UMD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31615] FS: Heathkit QRP Rigs
Message-ID: <971130194622_-86714148@mrin40.mail.aol.com>

I have for-sale two of Heathkits famous QRP rigs:

HW-9 w/WARC bands installed. No manual. \$140 +s/h.

HW-8 w/matching power supply and original manual. \$80 +s/h.

E-mail if you would like to have specific details. Both are currently making QSO's in fine style but could use some VFO realignment. Selling to make room for OMNI 6!

73,
John
KB8UMD@aol.com
Jrperego@dcrn.e-mail.com

Date: Sun, 30 Nov 1997 18:53:38 -0600
From: Mike Martin <mmartin@internetni.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [31616] MFJ CW Transceivers
Message-ID: <34820A92.E2240571@internetni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have any experiences with the MFJ single band qrp rigs?

Are they the neatest thing since sliced bread? A turd with knobs? Or somewhere in between those extremes? The xyl was asking me what I wanted for xmas, and I was thinking about one of those rigs.

Thanks.

Mike Martin KA9LYY

Date: Sun, 30 Nov 1997 16:22:31 -0900
From: John Pendrey <flyfish@ptialaska.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [31617] AK to Japan
Message-ID: <01BCFDAC.2B83EE40@dialups-116.kodiak.ptialaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Group..I am a happy camper. I was listening around 20, SSB,
(my CW module is defective, waiting for MFJ to respond) on
my new MFJ 9420. I heard JA7XBG finishing a call and decided
to try. He came back on my first attempt! Said I was 59. I could
hear the intake of air when I passed that I was 5 watts. He was
350 KM North of Tokyo..anyone know how many miles from
Kodiak, AK this is. I am running an economy setup here. My antenna
is a 40Meter, 300 ohm dipole running through the MFJ 971 tuner.
This is my setup until the XYL okays the all bander. However, if I
still get results like this...I may not want to get a "big rig" for a long
time. This QRP stuff is great! Now to switch to 40, and find the fox!
My first DX, (outside of the lower 48)

72..John Pendrey
'flyfish@ptialaska.net'
KL0DB

Date: Sun, 30 Nov 1997 18:38:53 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31618] Tim fox on now !!!!
Message-ID: <199712010138.UAA101012@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Fox hunters,

Tim, KB0VRV is on right now 0140, 7.139.64 !!! I think I just worked him
!!!!

Of course now he is getting stronger, I gave him a 339 report. He is now
running 539 here in So. Idaho. Hey Chuck, any extra points for working the
fox with the NorCal/K8FF paddle ??? :-) Go get Tim guys !!!!!!!

73,

Steve Hurst

KA7NOC (southern Idaho)

<http://www.magiclink.com/web/shurst>

shurst@magiclink.com

Date: Sun, 30 Nov 1997 19:03:07 -0600
From: n5inz@juno.com (John M Andrews)
To: mulveyr@frontiernet.net
Cc: qrp-l@Lehigh.EDU
Subject: [31619] Re: Suggestions for window feed-throughs?(Those with bad
hearts...delete)
Message-ID: <19971130.194339.3214.3.N5INZ@juno.com>

I have used this method....not for the squeemish.

1. Put glass back into frame.
2. Obtain the following:
 - A. One soft drink straw.
 - B. Several Red-Ryder BB's
 - C. A felt-tipped marker.
 - D. Eye protection and gloves.
3. Mark the point at which the tuned feeder would enter the window
with the felt tipped marker.
4. Put on protective gear
5. Place straw at 1st marked "X" and blow BB at mark.
6. Repeat for second mark.

7. *IF* things went well, you should have 2 holes at the correct distance,
if not, don't blame me. Notice I said "several" BB's- you will swallow
or drop a few. I am the current World's Record Holder.

72, John-N5INZ

Date: Sun, 30 Nov 1997 19:43:38 -0600
From: n5inz@juno.com (John M Andrews)
To: QRP-L@Lehigh.EDU
Subject: [31620] Results: "Rotten Parts" Contest
Message-ID: <19971130.194339.3214.4.N5INZ@juno.com>

Juno, as usual, ate my mail....thus we will revert back to my memory.
Believe
it or not I remember most as they were so good.

1. The first entry had to do with a very well-known QRPer who says his "Rotten Parts" consist of the old phones and Boom-Boxes that end up in his junk box.

Another mention is regarding the surplus military connectors.

Hardly....I think considering the first items, this comes under the heading of "Public Service".

As to the second....While the rest of this country has been investing
in trusts and life insurance policies, he, like most of us has been collecting salvage precious metals. Hope no one bumps him off for the loot.

2. Another very well known and(previously) well respected QRPer mentioned a Model 19(with loop supply) that could migrate to someone else's ham-shack. Sneaky.
3. Mice. Non-electronic, fur bearing mammals. Ho-hum.
Hams have the best non-organic bait known to man residing in the junk-box.
4. British Tank radio- Potential at key- 500 volts. Can't even give it away. Local CBER arrives in shack with garlic, cross, and holy water when he visits.

5. Those card-board Radio Shack resistor cards.(Fodder for the mice?)
6. Another mentioned those stupid wax-paper-foil caps that screw up other great treasures.
7. Not to mention those mica caps with the dot/color code. Folks I know that were normal are now cutting out paper dolls in the funny-farm after a bout with these. Also, I've seen new ones come out of the package with a waxy substance on them(See above).
8. W2AU balun 4:1 (Gulp....I own one, also).

I'll stop at this. Some of you may not have a strong enough stomach.

This was fun let's do it again.....later.

72, John-N5INZ

Date: Mon, 1 Dec 1997 06:50:20 -0700
From: gsurrency@juno.com (Gary Surrency)
To: qrp-1@Lehigh.EDU
Subject: [31621] Re: Mag wire and toroid questions
Message-ID: <19971201.065021.3438.1.gsurrency@juno.com>

Why in the h_ll aren't toroids round instead of "tire-shaped", i.e. flat on the inner and outer surfaces? I can't imagine why the manufacturers don't mold them perfectly round so the windings would be easier to pull against the core. Do they actually want us to scrap the enamel off the windings on those edges? Heck.

Maybe there's some good reason for their current shape, but it escapes me. Could it be that the air gap from the round winding over the square edges limits or controls the mu of the core material? Does this also control the distributed capacitance around the windings? Huh?

Is it so the windings are always a little loose (no personal attacks, please - I wind my toroids tightly!) so we can adjust the wire spacing? Hmmmmmm.

Has anybody ever seen / heard of a true round toroid? I mean, a donut-shaped one?

Seems like just another of life's strange little mysteries. Like why we

park in a driveway and drive on a parkway, etc. Why can't things be simple? Maybe I should ask George Carlin or Gallagher.

Or Nils.

Oh gosh. I hope I haven't started another long thread here. Excuse me if I did.

OK, I feel better now. ;-)

72 and have a good week,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sun, 30 Nov 1997 20:30:12 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <mulveyr@frontiernet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31622] Re: Suggestions for window feed-throughs?
Message-ID: <199712010143.UAA40598@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Rich and gang,

US Plastics, in I think Lima, OH (from memory) may have something that you can use. I remember looking through one of their catalogs last year, and they had alot of stuff.

Don't have their number handy, but they have an 800 number. Maybe they can offer some suggestions.

GL

72 Kevin N2TO

Brooklyn, NYC

kfglynn@prodigy.net

Date: Sun, 30 Nov 1997 20:54:34 -0500 (EST)
From: KB8UMD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31623] FS: TT Step Attenuator
Message-ID: <971130205433_1380370255@mrin44.mail.aol.com>

Ten Tec 290 Step Attenuator w/manual. Accessory to Argonaut II. \$30 +s/h.

73,
John
KB8UMD@aol.com
Jrperego@dcrrn.e-mail.com

Date: Mon, 1 Dec 1997 01:57:34 -0400 (AST)
From: wp4jxd@prtc.net (wp4jxd)
To: qrp-1@Lehigh.EDU
Subject: [31624] CQWW Operation
Message-ID: <Pine.LNX.3.95.971201015219.336C-1000000@pentagon>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang:

Here they are, the results of my CQWW CW Operation. Operated for about 15 hours according to CT. Some remarkable QSOs were the Maldives, Jamaica 2 way QRP, and Hawaii on 40m. Jamaica and Hawaii were worked while I called CQ, who says with QRP you should S&P? Operated most of the time calling CQ although that craved for a new multiplier from time to time and did some S&P. Not many multipliers, maybe S&P would got me some more, well maybe next year. Worked a lot of U.S. stations, 300+, that could be a good sign for the ARRL DX; that's another story. Hope to hear soon how you did.

CQ WORLD WIDE DX CONTEST 1997

Call: WP4JXD Country: Puerto Rico
Mode: CW Category: Single Operator QRP

BAND	QSO	QSO PTS	PTS/QSO	ZONES	COUNTRIES
40	272	565	2.08	11	28
20	222	458	2.06	11	20

Totals 494 1023 2.07 22 48 => 71,610

All reports sent were 59(9), unless otherwise noted.

Equipment Description:

RIG: OHR QRP CLASSIC 5 WATT OUTPUT
ANT: G5RV 51' Version UP 20' sloping to 5'.

Regards,

Pablo Luis

Pablo Luis Robles CW ALL THE WAY!
wp4jxd@prtc.net
<http://www.geocities.com/capecanaveral/hangar/3613>

Date: Sun, 23 Nov 1997 20:23:10 -0500
From: Tom Morgan <liveoak@sccoast.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [31625] RE: Few questions
Message-ID: <01BCF853.662B0280.liveoak@sccoast.net>

I built the 30 meter version, if that's any help. The kit is the same, with the exception of the frequency dependent parts.

Down Side - The board traces are small & might be difficult as a first kit
- I definately recommend a 15 watt soldering iron. The kit comes with a Radio Shack cabinet, and the builder has to drill holes & do his own labelling. The instructions recommend a mailing label for the freq. calibration marks and a rubber grommet and a stiff wire around it for the dial pointer (The tuning capacitor has a built-in 4:1 (I think) vernier. Also required are either a frequency counter or a calibrated receiver, so if you don't have these you'll need some help. Also you'll need a volt-ohmmeter and simple alignment tools.

Up Side - It's a really neat kit. Construction AND testing is done in

steps (e.g. VFO, Keying, RIT, etc.). This lets you find & fix problems as you go. The instructions are excellent, and it's a great rig to use. For the price, I can't see anything touching it.

The transmitter puts out a clean 5 watts (you can push it to 8). The receiver pales beside my Kenwood, but not by as much as you'd think.

There is an option for a relative power meter, which wouldn't do anything else - but it does help with the adjustments. The instructions call for an RF voltmeter (which I don't have). What I did was add the components for the meter circuit (about 5) and put in a 10k resistor in the place of the trimmer pot, and ran the meter leads on the board to my VOM - it worked pretty well.

There is a review in the QRP-L archives on the Dan's version (I have downloaded it & will mail it if requested), and the current issue of 73 Magazine has a review on the Emtech version.

I like it. Mys son just bought one for 40 meters.

I have no finaincial arrangements with Dan's - I just like the rig.

72 de Tom KU4LB

-----Original Message-----

From: William Wyatt [SMTP:wbw95k@timon.acu.edu]
Sent: Sunday, November 30, 1997 5:51 PM
To: Low Power Amateur Radio Discussion
Subject: Few questions

1. Has anyone built the NW80 kit that is adverstised on Dan's small part page. This, if bought, would be my first kit so any suggestions would be appreciated. The price is \$50 down from \$80, good deal. (snip)

Date: Sun, 30 Nov 1997 21:03:58 -0500 (EST)
From: KB8UMD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31626] Re: FS: Heathkit QRP Rigs
Message-ID: <971130210358_196078518@mrin52.mail.aol.com>

QRP-L Gang,

The HW-9 is spoken for, thanks for all the replies.

John

73,
John
KB8UMD@aol.com
Jrperego@dcrn.e-mail.com

Anxiously awaiting more info on the K2, with checkbook in hand.....

	/	_/_	_/_	_/_	_/_/_/_	John L. Sielke
n4js@pobox.com						
	//_	_/_	_/_	_/_	_/_	n4js@qsl.net NJ
Grid:FM29LN						
	/	_/_	_/_	_/_/_/_/_	_/_	http://www.qsl.net/n4js
NJ-QRP #57						
	/	_/_/_	_/_	_/_	_/_	QRP-L #884 QRP-ARCI
ICQ# 3789653						
	/	_/_	_/_	_/_/_	_/_/_/_/_	QCWA CQrp CQC ARS

#243 FISTS #2781

G-QRP #9544 Norcal #1989 ARQrp, AKQrp Formerly: K3HLU, W7JEF, W4MPC,
TF2WKT

Date: Sun, 30 Nov 1997 21:14:43 -0500 (EST)
From: KB8UMD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31629] FS: Heath QRP Tuner
Message-ID: <971130211442_-86710552@mrin53.mail.aol.com>

Heathkit HFT-9 QRP antenna tuner. No manual, fair condx w/outer shell
re-painted black. Good electrical condx. \$25 shipped.

73,
John
KB8UMD@aol.com
Jrperego@dcrrn.e-mail.com

Date: Mon, 01 Dec 1997 10:13:56 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp-l@pandora.lugs.org.sg
Subject: [31630] How to vary gain of MAR-6 MMIC?
Message-ID: <34821d64.pandora@pandora.lugs.org.sg>

Hi,

I was wondering if anyone has ideas how to control the gain of amplifier
circuits employing MAR-x type MMIC's?

I thought about varying the supply voltage but I was afraid that this
might degrade the dynamic range and IP3 figures. Can anyone tell me if this
is the case? Thanks.

73 de 9V1ZV Daniel

--

+-----+
Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	
QRP-L #667	9V1ZV@amsat.org
+-----+

Date: Sun, 30 Nov 1997 21:17:59 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Steve Hurst" <shurst@magiclink.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [31631] Re: Fox 2 night ??
Message-ID: <199711302120_MC2-2A27-CF05@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Steve:

Well I snagged Alan the very second he called CQ...but have been listening for Tim without success for a solid hour. Have heard several guys work him, including Joel WA1QVM at 0154. So he is definitely in there...but no prop to my QTH. Oh well. As we all know. 40 metre propagation is the great leveller!

Alan was 549 at my QTH at the beginning. Right after our QSO others were calling him, so sounds like he will have a good run, too.

Great going to both these N/T+ FOXes! Keep up the good work, guys.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/27/97 14 of 17. The FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 30 Nov 1997 09:42:55 -0500
From: Paul Helbert <phelbert@rica.net>
To: mulveyr@frontiernet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31632] Re: Suggestions for window feed-throughs?

Message-ID: <34817B6F.A13F4688@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Rich and all,

Any good plastic shop should be able to fix you up. Look in the yellow pages of your nearest city. If you are really out in the sticks and stuck, I can call my plastic guy and see what it'd cost if you send the size needed. I'm sure he has your thickness in acrylic as well as polycarbonate. Also a good glass shop can make holes in glass.

I drill holes through the house (use dryer vent covers) and leave the windows alone.

73,

Paul, Wv3j

Rich Mulvey wrote:

> Hi All:
>
> Now that I have entirely too many coax and ladder-lines coming into
> my
> basement, I'm trying to come up with a better feed-through material.
>
> Currently, I have replaced the glass on one of my swing-out
> basement
> windows with Lexan, and have a bunch of SO-239 bulkhead connectors for
> the
> feed-throughs. Unfortunately, the Lexan tends to crack when cold,
> under
> moderate stress (Like when I start moving patch cables around...)
> Anyhow, I'm looking for at least one of the following:
>
> o A source of *THICK* Lexan sheets (Where thick >= 1/4")
> o A replacement material that is clear (translucent is OK,
> though.)
> and can stand up to a fair amount temperature extremes, and can
> be drilled.
>
> Any suggestions?
>
>
> - Rich
>

> --
> Rich Mulvey
> mulveyr@frontiernet.net Rochester, NY
> USA
> <http://www.frontiernet.net/~mulveyr>
> Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa

Date: Sun, 30 Nov 1997 18:40:02 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
To: qrp-1@Lehigh.EDU
Cc: kenwood@qth.net, turner@safety.ics.uci.edu
Subject: [31633] FS: TS-130V qrp rig
Message-ID: <752.880944002@safety.ics.uci.edu>

For sale: Kenwood TS 130V QRP rig, 80-10 plus WARC, digital readout, includes hand mike and manual. Asking \$385.

Finer details:

I have a Kenwood TS-130V, the rare QRP version of the 130S, it runs 20 watts PEP input, about 10 watts PEP output SSB/CW. It is an identical receiver to the 130S, with IF shift, noise blanker, 2 optional filter slots. The transmitter runs semi-QSK for CW. There is a speech processor for SSB. It has a frequency counter digital readout and the VFO is good and stable.

It is in very good condition, though it is not mint. The case looks good and the faceplate excellent (other than one nick in the very edge of one side.) On the rear panel are two phono jacks that were used by the last owner for transverter input and output. This has been returned to original, but the jacks remain.

The internal electronics are just fine, it has the filter from the 930/940 series radio, the YK-88S1 at 2.7 kHz (sounds much, much better than the stock filter) bandwidth instead of the YK-88S at 2.4 kHz bandwidth.

I am selling this radio to help pay for my Ten Tec OMNI VI upgrade and repair.

Email with inquiries.

Clark
WA3JPG

Date: Sun, 30 Nov 97 21:46:11 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Cc: wa1qvm@BBN.COM
Subject: [31634] CQ WW contest: Zone 40!
Message-ID: <199712010246.VAA212240@nss4.cc.Lehigh.EDU>

QRP folks:

I had a pretty good time with the CQ WW contest. Naturally, when you try to work QRP on a band (15 meters) filled with QRO -- you are not going to be able to run stations and a lot of times there will be 10 minutes between QSO's.

Most memorable contact:

Came across TF3ILA (Iceland, Zone 40). He was packing quite a pile-up. My guess was that Zone 40 (Greenland, Iceland, and all the icebergs to the north) were needed by just about everybody.

Even though there was a pile-up, he was running stations pretty good, everyone in the queue was pretty nice, you put in a call and you got the Q.

So I put in my call. Nothing. Call again. Nothing. Called about 10 times. Still nothing. Geeee, I'm not really that far from Iceland, I should be able to work him. Hummmm, started to think about Fox hunting... Decided to QSY (UP) about 300 cycles. Tail ended a G3 and bingo: an Iceland pelt on the first call at the new frequency. Sure is nice when 4 watts and the hidden dipole breaks into the pile up!

Credit for this one goes to the foxes for making us hunters better !

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Sun, 30 Nov 1997 21:54:00 -0500 (EST)
From: Rich Mulvey <mulveyr@FRONTIERNET.NET>
To: mmartin@internetni.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Mike Martin
<mmartin@internetni.com>
Subject: [31635] RE: MFJ CW Transceivers
Message-ID: <XFMail.971130215637.mulveyr@frontiernet.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

On 01-Dec-97 Mike Martin wrote:

>Anyone have any experiences with the MFJ single band qrp rigs?
>Are they the neatest thing since sliced bread? A turd with knobs? Or
>somewhere in between those extremes? The xyl was asking me what I wanted
>for xmas, and I was thinking about one of those rigs.
>

Hi Mike:

I've owned/used the 20M and 40M rigs. They do a decent job, but aren't anything special. They do have the distinction of being one of the VERY few factory-built QRP rigs.

If you're a kit-builder, I'd recommend one of the Wilderness Radio rigs.

- Rich

--

Rich Mulvey
mulveyr@frontiernet.net
<http://www.frontiernet.net/~mulveyr>
Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa
Rochester, NY USA

Date: Sun, 30 Nov 1997 20:55:29 -0600
From: "Tim Ahrens" <tahrens@inetport.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31636] FS: INDEX QRP+
Message-ID: <199712010256.UAA23414@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Folks... it's tradin' time again.

For sale: QRP+

Has front end protection diodes added.. no other mods.

Works Great, looks good.. a few scratches on the top, none on front. With Microphone.

Would make a nice Christmas present.. :-)

\$400.

Thanks,

Tim W5FN

Date: Sun, 30 Nov 1997 22:16:30 -0500 (EST)
From: ALK0FRP@aol.com
To: qrp-1@Lehigh.EDU
Cc: W0HEP@aol.com
Subject: [31637] W0CQC on CQWW
Message-ID: <971130221629_1840412705@mrin43.mail.aol.com>

CAN A 5W STATION COMPETE IN THE CQ WORLD WIDE CW CONTEST????

YES WITH THE HELP OF BIG ANTENNAS

W0CQC MULTIOPP

RICH W0HEP, JAN KB0WQT AND MYSELF K0FRP AT JOHN HIZER'S (K0ZA) STATION RUNNING MULTIOP SINGLE QRP (EVEN THOUGH THERE IS NO QRP MULTIOP CLASS) , WENT UP AGAINST THE BIG BOYS WITH POWER.

FT-1000D AT 5W OUT , 4 EL QUAD (10-15-20) AT 115 FT , 2 EL 40M AT 100FT APEX FIXED E/W, FULL 1/4 WAVE ON 160M AND 80M (3 ELE PHASED COMING SOON). FEED WITH 200 FT OF 7/8 INCH HELIAX ON 5 ACRES NEAR BENNETT COLORADO

120 MHZ PENTIUM LAPTOP RUNNING CT-9 THREE PENCILS AND ONE PAPER NOTEBOOK.

MUCHO CUPS OF COFFEE AND JAN BROUGHT ENOUGH FOOD TO FEED AN ARMY (THANKS JAN) , SO WE DID NOT GO HUNGRY.

BAND	Q'S	ZONES	CONTRIES
160	21	8	12
80	17	10	12
40	56	13	26
20	118	22	26
15	133	23	58
10	51	15	27

TOTAL	393	91	190
-------	-----	----	-----

290,272 PTS THE KW STN'S DO OVER 6,000,000
92 DIFFERENT ALL BAND COUNTRIES (COULDN'T MAKE 100). THE 2 EL 40M QUAD WAS
NOT WORKING WELL BUT JOHN FOUND OUT HIS 4 EL QUAD PERFORMED WITH GREAT
RESULTS. IT PLAYED WELL.
THANKS TO JIM LINDSEY W7ZQ DESIGN.
WITH QRP POWER WE COULD NOT HOLD A FREQUENCY AND CALL CQ SO WE HUNT AND
POUNCED. VERY FEW STATIONS WE HEARD WE COULD NOT WORK. SOMETIMES IT TOO A
WHILE BUT WE MAKE IT.
LESS THAN 6 -8 STATIONS WERE NOT WORKABLE AFTER THE WAIT CONDX CHANGED AND WE
LOST THE STATION. GIVEN ENOUGH TIME WE WOULD WORK THEM. I HAD A SHORT RUN OF
JA'S THE LAST 20 MIN BUT FELL SHORT OF THE GOAL OF 300,000 PTS , 10,000
SHORT, BUT OUR GOAL AT THE BEGINNING OF THE CONTEST WAS 200,000 PTS WE DID
MUCH BETTER.
THIS WAS RICH'S FIRST BIG DX CONTEST WITH GOOD ANTENNAS AND I THINK HE IS
HOOKED. LOOK FOR A BIGGER TOWER IN RICH'S YARD SOON ????? I DON'T THINK THERE
IS ENOUGH ROOM FOR A 115 FOOTER.

48 HOURS IS JUST TOO LONG !!!!!!! BUT WHEN THE WHOLE WORLD IS INVOLVED IT HAS
TO BE 48 HOURS.
I'M GOING TO BED GOOD NIGHT ZZZZZ ZZZZZ ZZZZZ ZZZZZ ZZZZZ

AL K0FRP

Date: Mon, 1 Dec 1997 03:22:38 +0000
From: Jim/N0UR <LAGESON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [31638] FOX: N0UR Tuesday eve (Wed. AM Zulu)
Message-ID: <19971201032237.AAA1779@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Don't forget to stop by and catch the Fox Tuesday night (12/3 Z), I promise
to get you in and out as quick as I can. Note the time change, I will be on
0100-0300, the original time was 0200-0400. I plan on being above 7.040, try
7.043 + or - a few depending on QRM, if you don't hear me there try 7.037 + or -.

The last two fox had very good outings so I'm feeling the pressure, maybe
the QST article is bringing out some new hounds.

Thanks in advance, see you all Tuesday (Wed. AM Zulu)...I don't want to confuse anyone

Jim...579 MN JIM #799

Date: Sun, 30 Nov 1997 22:24:31 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Alan KB7MBI <ARDUJENSKI@aol.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [31639] Wow!--1/2 watt, actually!
Message-ID: <199711302225_MC2-2A32-E9BA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Alan:

Sorry for coming back into the FOX hunt tonight...but your signal got so strong that I wanted to holler at you with less power. During the second QSO I was actually running 500 mw as measured by the OHR WM-1. Rig was the Omni V into the THT/2 at 27' or so. Tuner = Emtech ZM-1.

You were doing a fine job tonight. Sounds like you are about ready for your 13 wpm, too! Congrats.

Never heard Tim at all tonight. Nuts. Heard several guys working him during the first hour, but nothing later. Searched for him in case he had QSYed, but no luck. Oh well, prop was agaist us on that path. Maybe next time, hopefully.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/27/97 14 of 17. The FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 30 Nov 1997 20:59:31 -0700 (MST)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
To: QRP Forum <qrp-l@Lehigh.EDU>
Subject: [31640] qrp and cq ww cw test
Message-ID: <Pine.SUN.3.96.971130205334.13468C-100000@ume>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Not enough time to play serious radio this weekend but it was sure nice to work some DX on 15 and 10 again. Acutally got a call from LU2 while I was calling CQ on 10 meters....that sure has not happened in a few years! Also worked a few caribeans and JA's on 15 and 20....and a 9G on the first call (thats east africa). Only 130 q's but it was nice experience to see the bands opening up again.

How about a norcal kit for 10 meters to take advantage of the soon to be much better propagation? CW or SSB would be fine....both would be fantastic!

Dr. Rick Zabrodski MD, CCFP(EM) ACBOM * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

Date: Sun, 30 Nov 1997 23:08:06 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:malman@BBN.COM" <malman@BBN.COM>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [31641] CQ WW contest: Zone 40!
Message-ID: <199711302310_MC2-2A31-9D4E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joel:

Also snagged him at 1753 hours, 11/30/97. Couldn't believe it. In fact spent most of my time on 15, working more than two dozen new countries.

Other especially memorable calls were 4B1BEF, BD2X, ZD8Z, SH4AA and IS9/OL5Y.

This is very encouraging. Shows that 15 *is* coming alive. (The last time I worked 15 was in 1963!) Wait until the sunspots really get going.

Setup was Wilderness Sierra @ 2 watts out into the GAP Titan DX. Tuner = Emtech ZM-1. This was the first real workout for the GAP. Put it up a few weeks ago, but have been travelling since then. Very satisfied!

Will be looking for you in the FOXhunts this week. Good luck for continued success. BTW, noticed your success in hearing the beacon.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/27/97 14 of 17. The FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 1 Dec 1997 04:18:12 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [31642] Build 'em if you got 'em
Message-ID: <199712010418.EAA14620@chuck.dallas.sgi.com>

It was a weekend of building.

The OHR100A was about 5 to 6 hours. I was having so much fun that I wasn't keeping track. Sorry. I got a few emails asking.

Second project was a year old Wilderness NC40a with KC-1. I find that the KC-1 is chopping short the first element of each letter. Sent email to Wayne on that one. It was an older KC-1 with a red label on top with the number 1 written on it. I know it wasn't the serial number. :-)

OK, forget it. I just fired up rig again and it is working correctly.

Must be some mode that I got it into playing around. OK, I'll see if I can raise anyone after 0345UTC Dec 1, 1997 7.043MHz. Only for an hour and then I'm history for the night. At the usual 0.95W as I am on 1.3Ahr battery and testing this out as a travel radio as keyer is builtin.

Wow, before I can finish and post this I program the KC-1 and send a single 3x3 CQ de K5FO and get Boise, ID. And after I finish the QSO I get a call from a W3 in Baltimore, MD. That's 15 min of the hour gone. OK, I'll be going until 0515UTC.

For the NC40a I made a single mod to the key jack. I cut two traces on the key jack so that I wouldn't have to drill another hole in the back panel of the NC40a. This allowed me to connect the WBL paddle up direct without a single mod otherwise and I can run back and forth between keyers and rigs at will. The only way to fly between bands without a multiband rig.

Now I have to go and find the next secret NorCal project (for real). I was saving it for last this weekend. Even had time out for the leaves. 100 year old pecan trees aren't very nice. :-)) but they do hold the aerial just fine so I'll keep them.

OK, calling CQ as I post and the solder iron is hot. Multiplexing like crazy. Now if I could just get Wayne to add the repeat function so that I don't have to keep pushing the send button between soldering parts..... ;-)) Have me QRS if needed.

dit dit and this is film at 11

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Sun, 30 Nov 97 20:23:44 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [31643] CQWW CW '97 /qrp/VE7
Message-ID: <9712010423.AA05752@wizard.ucs.sfu.ca>

Well, it was great fun. I had two goals. One to break 500 q's (had 400 last year), and two to improve my hunting for multipliers. I achieved the former, but not the latter. This was my first really serious attempt at using two rigs. I'm getting better, but still have

a long way to go. Some of the transitions were pretty rough. I think I gave a few frustrations and some chuckles to some. Operated for 36 of the 48 hours (the symphony saturday night was great ;-)

With similar conditions, I think 750 q's are possible, and when I become smoother with the two rigs, will use my multiplier hunting time more effectively.

Looking forward to hearing how the rest of you did. Also, would like to compare notes with other qrp contesters in the pacific north west. (I don't think there are enough mulTs available here on the left coast to have a real go at the canadian qrp record. Not a gripe just a realistic assessment.)

One of these days, I am going to get my 80 meter JA multiplier.....

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

```
>                                     CQ WW SUMMARY SHEET
>
>
> Contest Dates : 29-Nov-97, 30-Nov-97, 01-Dec-97
>
>
> Callsign Used : VE7CFD
> Operator : VE7CQK
>
> Category : SO AB QRP
>
> Default Exchange : 599 03
>
> Name : PAUL ERICKSON
> Address : 3371 W. 31ST AVE.
> City/State/Zip : VANCOUVER, BC, V6S 1X6
> Country : Canada
>
>
>
> BAND    Raw QS0s    Valid QS0s    Points    Countries    Zones
> -----
>
> 160CW    15          15          29         4            4
> 80CW     23          23          45         4            5
> 40CW     136         135         286        14           9
> 20CW     121         121         269        11           11
```

> 15CW	269	267	557	17	12
> 10CW	117	117	249	15	12
>	-----				
>					
> Totals	681	678	1435	65	53
>					
>					
>	Final Score = 169330 points.				
>					
>					
>					

Date: Sun, 30 Nov 1997 22:55:34 -0600
 From: "Lawrence T. Owens" <w4dec@dibbs.net>
 To: qrp-1@Lehigh.EDU
 Subject: [31644] CQ WW CW Contest
 Message-ID: <34824346.5FBF@dibbs.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Hi Gang,

Very nice contest. first QSO at 00:02 was Zack KH6/W1VT and Last two QSO'S were with VK5GN and ZM2K during last 18 Minutes of contest.

Here worked single op single band 15 meters only. Mostly used search and pounce. Could not get a run going.

Final Scores:

230 QSO'S, 641 Points, 23 Zones, 78 countries, final score 64,741:

Operating time 21 hours 10 minutes.

Equipment used: Ts440S at five watts as per ohr WM2 wattmeter:

Antenna Cushcraft A4S at 70 Feet.

Packard Bell 286 computer with NA10 for Logging: I don't use but one Receiver and did not encounter any problems with the NA log program:

Observations: The JA stations have very good ears as worked quite a few of them and they wern't even jiggling the S meter : Dislike the use of packet cluster postings as it makes it rough in the

pile-ups they create. Also seems like the weaker stations could be worked pretty easy.

Note for Al K0FRP,

Great job Al. Wish they had a multi-op QRP class then perhaps some of the BIG-Guns could be enticed to enter with QRP. Just an interesting thought.

Hope to see a bunch of you in the 10 Meter contest in a few days. Like the single band contests cause its not so hard on these old bones.

72 es 73 to all,

Larry (W4DEC) QRP-L 1045

Date: Mon, 1 Dec 1997 00:08:31 -0500 (EST)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31645] N/T+ Foxhunt of 01 DEC 0200-0400 UTC
Message-ID: <971201000831_-1876075595@mrin45.mail.aol.com>

It was not fit for man nor beast yet a few old flea bitten hounds came out and found the old fox hiding in the thicket. I have NEVER given a report of "119" but DOC gets that honor as I got a hernia straining to hear him with his "1/2-watt" signal. GREAT JOB DOC. Jerry great signal. I kept looking out the window for you! Actually all of you who showed up deserve a pat on the back...tuff nite but love that challenge! The list is not long but we went for quality not quantity tonite.

Please note any corrections.

N/T+ Foxhunt of 01 DEC 0200-0400 UTC:

TIME	STATION	NAME	STATE	RST(S)/(MY)	QRP-L	PWR
0201	K0EVZ	DOC	MN	559/549		5W
0204	WB4EXW	WATSON	NC	559/339		?
0213	VE3ELA	KEN	ONT	339/349		3W
0225	WB0T	JERRY	IA	599/549		4W
0228	N9KW	JOHN	IL	559/449		5W
0240	KI0II	RON	CO	559/559	928	4W
0252	KQ0I	MARK	IA	559/559		?
0256	W9UQB	MIKE	AZ	229/559		4W
0313	K0EVZ	DOC	MN	119/559		1/2W

Station: KB7MBI
FREQ:..... 7.120
RIG..... EMTECH NW8020 (40M) and filter
PWR..... 5W
ANT:..... DOUBLE-ZEPP (N-S)up 50 ft

Date: Sun, 30 Nov 1997 23:33:10 -0600
From: Roger Whitaker <k9ljb@iname.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31646] Re: MFJ CW Transceivers
Message-ID: <34824C15.9A020679@iname.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, I have been running these MFJ's on 20 & 30 meter mobile and occasionally from hotel room and even at home for about as long as these rigs have been out. I have had a lot of nice QSO's and even worked DX from the mobile like JA, VK, various Europe and SA, mostly on 20. I have used several antennae, currently the Hustler with the short base mast making the whole antenna about four feet tall! Cutting to the chase: I think these are good little rigs and have held up well for me and work good. I have been looking at the Ten-Tech QRP kits for \$95 and they look very interesting, but have not used one yet.

72

--

Roger B. Whitaker K9LJB

"Insanity is doing the same thing over and over...but expecting a different result every time"--Albert Einstein

Home page: <http://www.cityscape.net/~whitaker/>

Date: Mon, 1 Dec 1997 04:42:25 -0400 (AST)
From: wp4jxd@prtc.net (wp4jxd)
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31647] Re: CQWW Operation

Message-ID: <Pine.LNX.3.95.971201044011.264A-1000000@pentagon>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

<sigh> Almost forgot also worked TF3ILA. He came right back at the second call. This was awesome, so awesome I forgot to mention it on my previous posting... what a nut!

Regards,

Pablo Luis

Pablo Luis Robles CW ALL THE WAY!
wp4jxd@prtc.net
<http://www.geocities.com/capecanaveral/hangar/3613>

Date: Mon, 1 Dec 97 1:34:19 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Cc: wa1qvm@BBN.COM
Subject: [31648] TYPO Alert!
Message-ID: <199712010634.BAA104540@nss4.cc.Lehigh.EDU>

Folks,

Thanks to all for pointing out that in my previous message I said I worked TF3ILA (Iceland) instead of TF3IRA ... SRI.

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Mon, 1 Dec 1997 02:16:05 -0500 (EST)
From: Ka0yos@aol.com
To: qrp-l@Lehigh.EDU, ham-tech@netcom.com, tentec@contesting.com
Subject: [31649] Help with Model No. 1330
Message-ID: <971201021537_949664147@mrin39>

Howdy,

Santa came in early in the shape of my father WA0EAF. On their (my parents) holiday visit he brought me a Ten Tec 1330 he had assembled. All I have to do is tune it up. First of all let me say this looks like a GREAT little radio! I have hit a couple of minor snags that I thought maybe some one can help me with. First off there is a constant very high pitched tone in the audio output. It is high enough my father can not hear it, but my mother, wife and I can. It changes in level by adjusting the volume. It is independant of the VFO setting, or any of the other adjustments in the radio (The slugs, RIT, Sidetone, etc.)

The second problem is adjusting the operating frequency. I adjusted L14 to "zero beat" as described in the manual. My side tone pitch wound up being something only dogs can hear. Back tracking I saw that I can adjust the pitch by adjusting L1. Doing this took my L14 adjustment out of wack. (By the way while tuning through L1 I hear a perfect side tone twice one near the top of the can and one near the bottom, which one do I want? [The top one right?]). Anyway I have been chasing L1 and L14 for over three hours now and I would like for someone to tell me the trick. I think L1 is not set properly. I have tried setting L1 as described in section 5-35 & 5-36, Assembly pages 32 & 33 several times. The problem is "peaking the test signal" There is a small range of tones that are all peaked (same reading on analog Voltmeter). Which of these do I choose before adjusting L1?

I am aware of Ten Tec's great service via the phone, but I know my employer would punish me for talking radio while I'm supposed to be working.

Thanks for your help and 73, Happy Holidays!

Joe
ka0yos@amsat.org

Date: Mon, 1 Dec 1997 05:08:55 -0500 (EST)
From: KB8UMD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31650] RE: HW8/HW9/Tuner/Keyer *SOLD*
Message-ID: <971201050853_1248867194@mrin58.mail.aol.com>

QRP-L Gang,

Thanks for all your replies. The HW-8, HW-9, HFT-9 Tuner, and the MK-88 keyer have been sold. I still have the Ten Tec 290 Step Attenuator. \$30 shipped.

73,
John

KB8UMD@aol.com
Jrperego@dcrn.e-mail.com

Date: Sun, 30 Nov 1997 21:26:21 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: dtmiller@dsmsnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31651] Re: Solar Flare - The novel / emp
Message-ID: <14+p4GA9ndg0Ewcm@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199711302026.0AA04514@dsms7.dsmsnet.com>, "Dean T. Miller"
<dtmiller@dsmsnet.com> writes

>Hi Leon,

>

>> From: Leon Heller <leon@lfheller.demon.co.uk>

>

>> Current military radios, like the new Bowman system for the British Army

>> that I have worked on, don't need any special precautions to withstand

>> an EMP, as I recall.

>

>Do you have any idea what the general technique is to stop the EMP

>effects?

>

>I'd like to try various things to help cut damage from nearby lightning

>strikes. I have already stopped using direct connection to the AC power

>lines, but I don't always remember to disconnect my antennas. :)

Sorry, I don't know anything about the techniques, I just remember it as
a requirement.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>

Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424

See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a

low-cost reconfigurable computing module using the XC6216 FPGA

Date: Mon, 1 Dec 1997 06:31:41 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <mmartin@internetni.com>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [31652] Re: MFJ CW Transceivers
Message-ID: <199712011131.GAA25004@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Mike and gang,

I've owned the MFJ-9030 for 2 1/2 years, MFJ-9420 20M SSB rig 7 months and just sold my MFJ-9040. I think the rigs are underrated.

For the money a kit is a better deal (you can get the OHR-100a for \$100, where the MFJ rig may be another \$60 at least). The MFJ-9040 will cover the entire 40M CW band which can be a plus. I think the receiver is sensitive and not too noisy, but the relay can be a little trying. The rig does not have variable bandwidth that many of the newer kits do.

I've worked plenty of DX with all rigs. I know you're looking for a CW rig, but I've worked 23 countries with my MFJ-9420 since March, mostly while working portable from the park with an inverted-vee up about 30 or so feet.

Rick Littlefield K1BQT designed the rigs, and maybe he can offer some info. Rick's e-mail address is k1bqt@aol.com.

GL

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 1 Dec 1997 07:29:31 est
From: k4wz@juno.com (RON L TODD)
To: cw@qth.net, qrp-l@Lehigh.EDU
Subject: [31653] CQWW CW 97
Message-ID: <19971201.072933.15191.14.K4WZ@juno.com>

NOT QRP THIS YEAR....RAN 150 WATTS

Had a ball any way
Worked 101 different countries DXCC in one weekend HI HI

269 Qs 84 Zones 189 Countries 196,833 score

Bands were great !
Congrats on the Job well done from the other QRP post
73

dit dit

RON K4WZ, MIKE AF4FF, MATT AF4FE, BETH KU4JG
FISTS # 2109, #3534 #3533
PO BOX 885, FOREST PARK, GA. 30298
K4WZ, EX WA4EPC, KE4RZR, AE4LQ
QUIT YOUR YAPPING, JUST START TAPPING !

Date: Mon, 1 Dec 1997 08:43:44 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [31654] Re: CQ WW contest: Zone 40!
Message-ID: <Pine.LNX.3.95.971201084147.1706F-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I operated sporadically, QRP, from the U of MD campus (W3EAX) and didn't get the TF-station, but did snag 0X3SA on Greenland for Zone 40.

What frustrated me was that KL7Y was calling on 15 meters and working people right and left, but I had left the club and was trying to work him from the car...there's a big difference between a TH6DXX @ 100' and a rear-mounted (ground-level) Screwdriver...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

On Sun, 30 Nov 1997, Joel Malman wrote:

> QRP folks:
>
> I had a pretty good time with the CQ WW contest. Naturally, when you try
> to work QRP on a band (15 meters) filled with QRO -- you are not going to
> be able to run stations and a lot of times there will be 10 minutes
> between QSO's.
>
> Most memorable contact:
>
> Came across TF3ILA (Iceland, Zone 40). He was packing quite a pile-up.

> My guess was that Zone 40 (Greenland, Iceland, and all the icebergs to
> the north) were needed by just about everybody.
>
> Even though there was a pile-up, he was running stations pretty good,
> everyone in the queue was pretty nice, you put in a call and you got
> the Q.
>
> So I put in my call. Nothing. Call again. Nothing. Called about 10
> times. Still nothing. Geez, I'm not really that far from Iceland, I
> should be able to work him. Hummmm, started to think about Fox
> hunting... Decided to QSY (UP) about 300 cycles. Tail ended a G3 and
> bingo: an Iceland pelt on the first call at the new frequency. Sure
> is nice when 4 watts and the hidden dipole breaks into the pile up!
>
> Credit for this one goes to the foxes for making us hunters better !
>
> /joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)
>

Date: Mon, 1 Dec 1997 08:29:19 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:malman@BBN.COM" <malman@BBN.COM>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [31655] TYPO Alert!
Message-ID: <199712010836_MC2-2A39-BE83@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joel:

Sorry about that! Jerry N9AW (has confirmed 310 countries!) sent a note saying I had missed two calls in my note to you. He said IS9/OL5Y -> IH9/OL5Y. And BD2X -> 6D2X. He noted these were usually reported as the latter on DX cluster packets. I have not checked my tapes of the sessions, but really appreciate Jerry bringing it to my attention.

What I did verify is how tough it is to work high-speed CW DX when one has a terrific migraine headache and bad case of flu ;^(. But it is hard to be laid up, knowing that 15 and 10 are open and brimming over with DX. This stuff is dangerously addictive.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/27/97 14 of 17. The FOX 11/25/97.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 30 Nov 1997 12:55:14 -0000
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [31656] Nicky Rceiver
Message-ID: <01bcfd8f\$33816540\$LocalHost@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow List Members,

It seems in my keenness to share the basic
Nicky receiver information
I have transgressed the the rules of the list and spread
prolific amounts of binary information around the world.
It is humbling to know we have such power.

I should really come to know the rules,
but you may be amazed at the speed
I scan through and read [or not] my 100 or so mailings a night.
With one exception, the group has been most patient,
for which I thank you.

I can only apologise if I have caused
any individuals any kind of problem.

It is a good circuit though.
If anyone wants a hard copy
send me your postal address

BTW

A kit is available for the full Nicky Receiver from
JAB Electronic Components

PO Box 5774

Birmingham

B44 8PJ

U.K.

Tel: [+44] [0]121 682 7045

FAX[+44] [0]121 681 1329

It is 29.95 uk pounds

Their information says they do take overseas Visa/Mastercard orders
and charge postage at cost.

... I will be in trouble for advertising now!

but I have no financial interest in this company

the information is merely for interest and education!

72/3

George Dobbs G3RJV

g3rjv@gqrp.demon.co.uk

The G QRP Club

"It is vain to do with more

what can be done with less"

William of Occum

Date: Mon, 01 Dec 1997 07:53:44 -0600

From: "Jeff M. Gold" <jmg@tntech.edu>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [31657] HW9/WARC for sale?

Message-ID: <3482C168.EC67F8D2@tntech.edu>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

Hi,

Can't believe I am considering it, but thinking of selling my HW9
with WARC installed,

It has some scratches on the very top, but front and rest is
great. I have a S&S PC1 programmable counter in the S&S case with
it (its mint) and in another case an Oak Hills Curtis keyer, with
on/off switch, speed control and tune switch. I think someone
might need to tune it up again. I had it so all was working good,
but not comfortable saying it is perfect.

Not sure what it is worth all together.. not gonna give it away,
but willing to here what it might be worth (I am trying to get
enough to buy another rig).

72

Jeff, AC4HF

--

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Mon, 1 Dec 1997 08:59:14 -0500 (EST)
From: K5BDZ@aol.com
To: g3rjv@gqrp.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [31658] Re: Nicky Rceiver
Message-ID: <971201085914_-1876063928@mrin43.mail.aol.com>

Good Morning George

Looked up the Nicky last night and it looks so interesting I'll think I'll build one, including the mods mentioned in a later SPRAT. Also in an earlier issue of SPRAT was a great 2N2222 1+watt transmitter but don't tell the folks about that...might make them all want to join GQRP and your workload would quadruple. Great seeing your posts. Keep it up. If your quiet posts get anyone riled, I'm in for a big heap of trouble with my posts!

73

Bill, K5BDZ

Date: Mon, 1 Dec 1997 14:00:47 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [31659] OHR100a Bands
Message-ID: <199712011400.0AA15876@chuck.dallas.sgi.com>

My mistake again. Trying to keep up with all this stuff.

OHR100a is available only for 40, 30, and 20 meters. I had thought in talking direct with Dick Witzke the 15m band came up in the discussion and it probably did but not for the OHR100a, so 20 meters is as high as your gonna go right now.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Mon, 1 Dec 1997 09:22:15 EDT
From: "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
To: qrp-1@Lehigh.EDU
Subject: [31660] MFJ Vertical
Message-ID: <4E1E7370CFF@um-f1.umd.umich.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

This past friday, I purchased an mfj 1796 antenna. After getting it all together, I read the tuning instructions. The manual said to place the antenna on a temporary mast at least five feet off the ground for tuning. I fed it with fairly new rg8u coax. I then began to attempt to tune it for lowest SWR. After two days, and 50 or so attempts to tune the antenna, I have gotten nowhere. The mfj is a center fed electrical 1/2 wave, physically shortened, with hellically wound coils located just below four pairs of individual the capacatance hats for each band. The antenna is tuned by trimming the spokes on the capacatance hats to achieve resonance. After two day of tuning, I have been unable to find any resonant point anywhere on the antenna. my swr is 4:1/ 5:1 across the entire operating range of the antenna. I spoke to another ham who had the same antenna, and he had the same antenna. He told me that after many many attempts to tune his, he finally gave up and ran it with a tuner. Does anybody have any experience with tuning this antenna for resonance?

Chuck

Date: Mon, 1 Dec 1997 10:03:31 -0500 (EST)
From: Wa2eaw@aol.com
To: leon@lfheller.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [31661] Re: (Fwd) [CW] Is it possible to be left or right "eared" for CW?
Message-ID: <971201100331_429114115@mrin45.mail.aol.com>

Every look at CW on the printed page ie: dots and dashes; I cant understand the darn stuff until I sound out each dit and dah and get the audio instead of the visual.

Its like the question; If a person is blind from birth and as an adult they gain sight ; can they tell the difference between a pyramid and a cube without touching them. Just by looking?

Bob...WA2EAW

Date: Mon, 01 Dec 1997 07:41:00 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [31662] 765 Mods
Message-ID: <3.0.3.32.19971201074100.0091d210@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Message forwarded:

>Date: Fri, 28 Nov 1997 00:57:40 -0800
>From: Tim & Jennifer Eklin <eklin@tir.com>
>Reply-To: eklin@tir.com
>X-Mailer: Mozilla 3.01 (Win16; I)
>To: w1hue@amsat.org
>Subject: 765 Mods
>
>Can you assist me in finding information on how to reduce power on
>an ICOM 765 for QRP use? Thanks de Tim, W8JJ.
>

Please respond direct to Tim, eklin@tir.com, NOT to me! Thanks.

Date: Mon, 01 Dec 1997 09:15:08 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: zabrodsk@med.ucalgary.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31663] Re: qrp and cq ww cw test
Message-ID: <3482D47C.2738@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick Zabrodski wrote:

>
> How about a norcal kit for 10 meters to take advantage of the soon

> to be much better propagation? CW or SSB would be fine....both would
> be fantastic!

Soon to be better?? There was 10 meter long path on Sunday morning with
paths open to India and S.E. Asia. Havent heard ten meters so good since
Bush was President.

Good dx. 73 de Dave, N0IT

Date: Mon, 01 Dec 1997 09:11:24 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: CLESKIE@um-f1.umd.umich.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31664] Re: MFJ Vertical
Message-ID: <3482D39C.C72@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

CHARLES LESKIE wrote:

>
> This past friday, I purchased an mfj 1796 antenna. After getting it
> all together, I read the tuning instructions. The manual said to
> place the antenna on a temporary mast at least five feet off the
> ground for tuning. I fed it with fairly new rg8u coax. I then began
> to attempt to tune it for lowest SWR. After two days, and 50 or so
> attempts to tune the antenna, I have gotten nowhere. The mfj is a
> center fed electrical 1/2 wave, physically shortened, with
> hellicially wound coils located just below four pairs of individual
> the capacatance hats for each band. The antenna is tuned by trimming
> the spokes on the capacatance hats to achieve resonance. After two
> day of tuning, I have been unable to find any resonant point anywhere
> on the antenna. my swr is 4:1/ 5:1 across the entire operating range
> of the antenna. I spoke to another ham who had the same antenna, and
> he had the same antenna. He told me that after many many attempts to
> tune his, he finally gave up and ran it with a tuner. Does anybody
> have any experience with tuning this antenna for resonance?
>

There have been a lot of comments on the MFJ vertical on the Antenna
newsgroup. None have been positive. The most common refrain is about
guys returning the antenna to the vendor. Hope you have better luck.

Dont run it with a tuner. You will be very disappointed. With your swr

that high something isnt right. If you are going to use a tuner you might as well have a wire high in the air.

73 de Dave, N0IT

Date: Mon, 1 Dec 1997 08:22:05 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: David Adams <adamsclan@netgate.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31665] Re: Need a regen schema
Message-ID: <Pine.SOL.3.91.971201082023.25242A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Nov 1997, David Adams wrote:

> I thought to amuse and be vaguely annoying, I'd throw together a nice
> regen receiver for christmas, but I can't seem to find a decent
> schematic on which to base one...
>
> 73 de dave, n9uxu

SCHEMATIC DIAGRAM -- REGENERATIVE RECEIVER

Based on the Charles Kitchin, N1TEV regen stage.

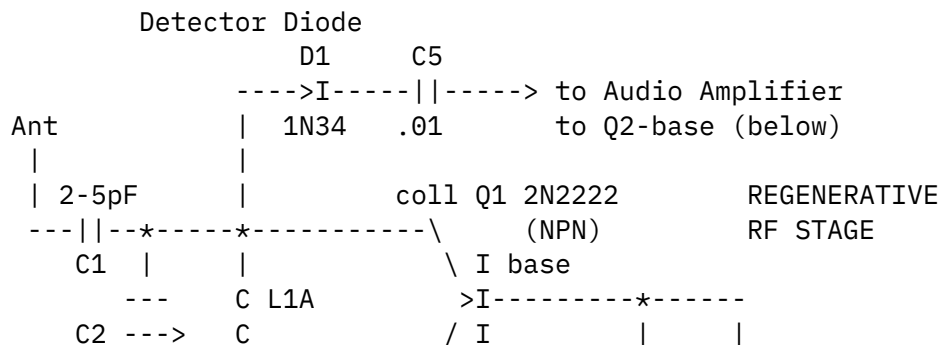
Modified by Paul Harden, NA5N, and adding the LM386 audio amp.

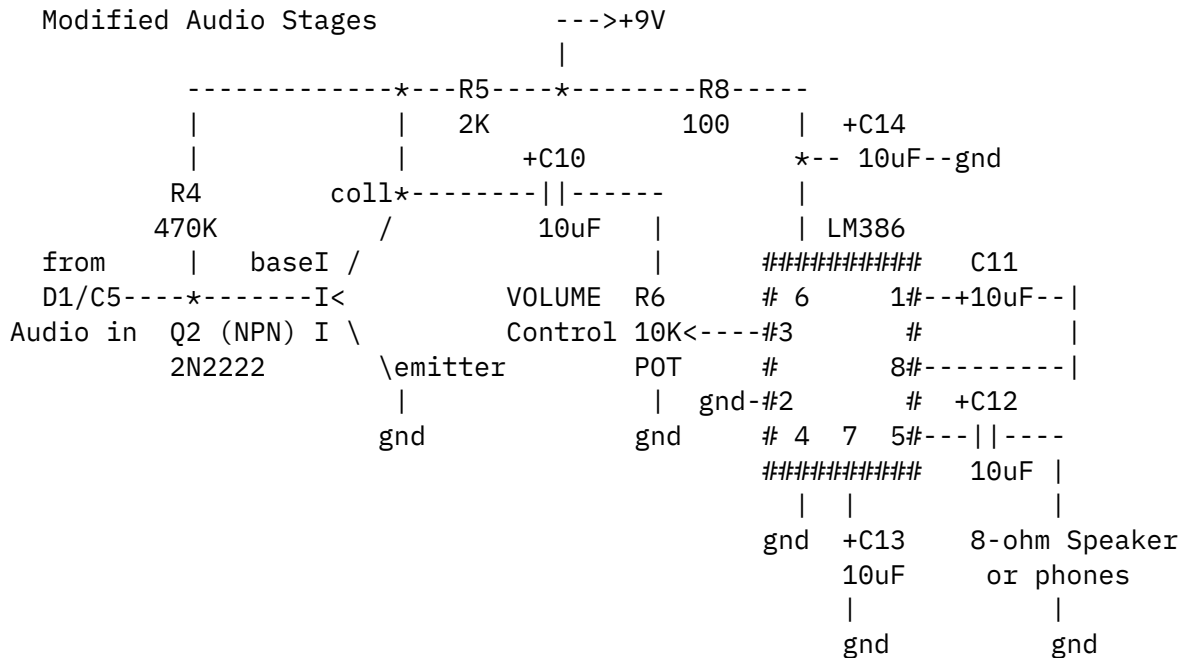
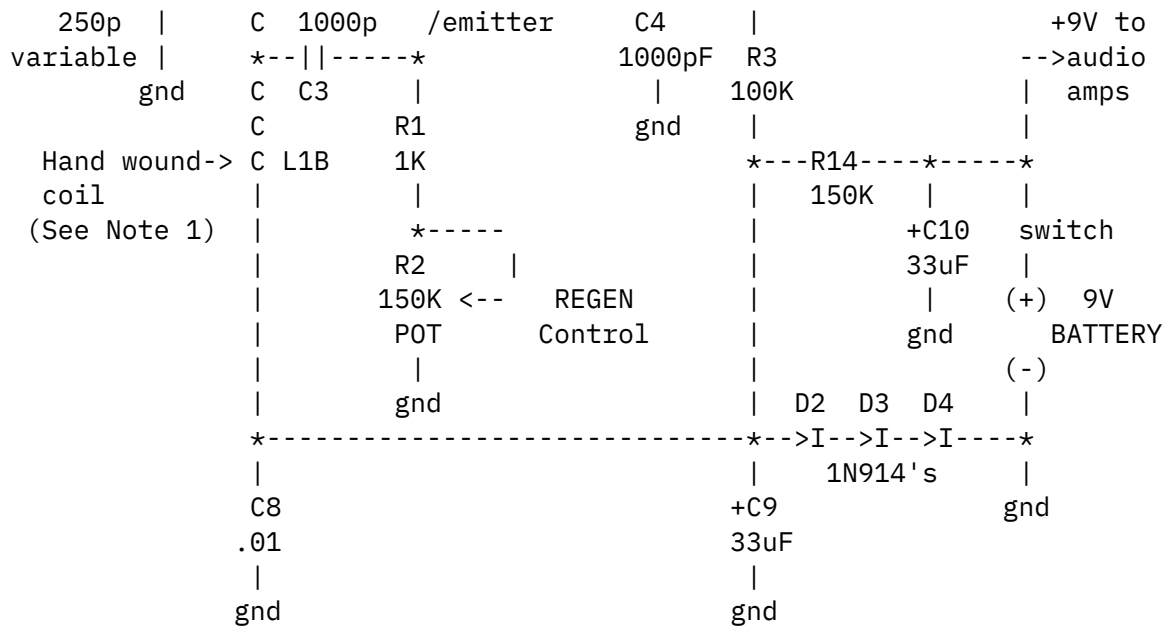
Original circuit: August 18, 1994 EDN magazine

and December 1994, "CQ" Magazine

See also 1995 Radio Amateur's Handbook "Beginners Regen. Receiver"

See NOTES at bottom of schematic





NOTES:

1. Most components are junk box items; most values not critical.
2. L1: Wind with #22 hookup wire on a plastic 35-mm film can or pill bottle. L1A=12 turns, L1B=4 turns. Experiment with windings to obtain different frequency ranges (more windings = lower freq.) L1B, the tickler/regen winding, should be about 1/3rd RF windings.
3. C3 and C4 can be more or less than 1000p, but should be same value. (Higher value = lower frequency)
4. Audio coupling capacitors, C10+C12, can be any electrolytic in the

- range 4uF to 20uF (higher value, lower audio response).
5. Volume control R6 can be any pot from about 2K to 100K.
 6. C2 tuning capacitor, can be old open-air variable capacitor or mini film variable capacitor (Mouser part), or salvaged from any AM transistor radio.
 7. C11 optional. It increases the audio gain of the LM386. Without C11, gain will be 20dB. C11 can be 2-10uF.
 8. Audio amplifier Q2 can be omitted with lower audio gain and some "pulling" of the receiver. Connect D1 directly to C10.
 9. I recommend using a transistor socket for Q1; experiment with different transistors you might have for best performance. Judge based on ease of oscillation and overall gain.
 10. Do not mount inside a metal enclosure. The metal cover will lower the Q of L1 and can keep it from oscillating.
 11. D2-D4 form a simple voltage regulator to keep 1.5v on Q1-base. Any small signal diode will work for D1-D4.

Cost of parts is \$10-15. At Radio Shack, a couple of 2N2222's are \$1; an LM386 about \$2; a mini tuning cap \$3; small speaker \$2.

OPERATION:

Regenerative receivers have a "romance" of their own and it takes a little experience and patience for optimum performance.

Turn on power and advance regeneration control R2 until the circuit oscillates (squeels). Back off to the point where oscillation just stops. This is the highest gain and highest selectivity. Now tune around until you hear a station. You will have to carefully adjust the REGEN control to the critical point (just before oscillation) after even small changes in tuning. For voice modulation, such as the BBC London, adjust REGEN control for best sounding audio. For CW/SSB transmissions, advance REGEN control just slightly into oscillation for proper detection/audio sound. It takes some practice, but once properly tuned and REGEN set, you'll be amazed at the short wave stations you'll hear and fairly good sounding audio.

If possible, try to use a tuning cap (C2) that has a gear-reduction scheme; very small changes in C2 can be 10-20 KHz. A smaller variable cap, say 5-50pF, can be added across C2 for a "fine tune" control. For calibration, it is best to make a "log scale," that is, a dial that points to numbers 1-10. Then, as you identify stations and the operating frequency, you can make a table or chart that shows what logging number equals what frequency.

For the 5-10 MHz range, you will hear powerful international broadcast stations around 6-6.5 MHz, 7.2 MHz and 9.5-10 MHz. Using virtually the circuit above, I have heard the BBC London, Radio Netherlands, NHK Tokyo, R. Havana Cuba, HCJB Quito Ecuador and others with a

modest antenna (a 30 foot long wire).

Once you get it working, experiment with it. Wind different coils for different frequency ranges. Have fun. Great club project.

72, Paul NA5N (pharden@nrao.edu)

Or, you can send an SASE, and I'll return a couple other regen circuits and some construction notes.

Paul Harden, NA5N
P.O. Box 757
Socorro, NM 87801 (or Call Book address)

Read the prospectus carefully before you invest or send money.
Past performance does not guarantee future yields.

Date: Mon, 1 Dec 1997 08:37:25 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.EDU
Subject: [31666] SST20 WAC
Message-ID: <199712011537.IAA25319@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My CQWW goal as WAC with the SST on 20M. It was not easy and there were many, many calls but we did it. KL7Y, OH2SE, EA9A, JA1ELLY, KH7R, 9Y4A.

What a super 2W rig you have created Wayne, thanks!

72, Bob KI0G

Date: Mon, 1 Dec 1997 10:39:52 -0500 (EST)
From: K5BDZ@aol.com
To: pharden@aoc.nrao.edu, qrp-1@Lehigh.EDU
Subject: [31667] Re: Need a regen schema
Message-ID: <971201103952_362251574@mrin44.mail.aol.com>

Paul

You put a lot of work into that post!!!

Once more, it's GOOD! (As usual from all you're work)

Am burping out a copy for my files..(called "circuits I intent to build and use")

Thanks from all of us

Bill, K5BDZ

Date: Mon, 1 Dec 1997 10:40:35 -0500

From: mjmullins@dow.com

To: <qrp-l@Lehigh.EDU>

Subject: [31668] NW80/20 from Dan's Small Parts

Message-ID: <199712011540.AA13247@na3.dow.com>

William Wyatt wrote:

>

> 1. Has anyone built the NW80 kit that is adverstised on Dan's small part
> page. This, if bought, would be my first kit so any suggestions would be
> appreciated. The price is \$50 down from \$80, good deal.

I'm also a new ham. I just finished the NW80/20 kit for 40m last night. Dan's Small Parts seems like a responsible small business. It's well worth \$50, but I would only recommend it to those with a lot of electronics experience. The silk-screen on the board is wrong in several places, and some of the parts are poorly marked and not well described in the manual. I needed an oscilloscope and an RF signal generator to get mine working, but that was partly due to my own carelessness. The manual is fairly good, but it has inadequate descriptions in some places. There is an offer at the end to 'fix' inoperative boards for \$25, which seems very reasonable. The receiver works surprisingly well - I have a bent 'folded' dipole in my attic. The circuit is very similar to a number of other QRP radios.

The transmitter is working, but I have yet to make my first contact. I need to work on my sending skills, but I'll probably be on the air in a few weeks. Mike Mullins KD5CMN

Date: Mon, 01 Dec 1997 08:41:04 -0800

From: Brian Kassel <bkassel@dancris.com>

To: phelbert@rica.net

Cc: QRP-L@Lehigh.EDU

Subject: [31669] Re: Mag wire and torroid questions

Message-ID: <3482E8A0.1768@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Helbert wrote:

>
> Hey Gangue,
>
> I have a question about magnet wire and the instructions I see in
> kits. Most say to "carefully scrape" the insulation from the ends of
> the wire after the torroid is wound. I've been using a bic butane
> lighter to burn it back, then a rubber eraser (the same eraser I use on
> all the tinned leads before soldering) to remove the residue. I usually
> peel back one turn from each end before doing the lighter trick, then
> rewrap it. Is there some precaution I ought to be aware of which
> explains why kit writers do not mention this method? Seems to me that
> the knife or sandpaper nicks and weakens the wire. Sure the heating and
> cooling anneals it, but it's work hardened by then anyway and maybe
> needs a bit of softening?

Hi Paul:

The flame/eraser method is fine providing:

1.) You don't remove enough enamel insulation that bare wire is touching the toroid core. The enamel insulation must be intact to prevent the wire from shorting out to the core. If, indeed, you have removed too much insulation, and you don't want to rewind the whole coil again, you can put a small length of "spagetti" insulation over the part of the wire that touches the core. You can also put a bit of electrical tape on the core. Some books even suggest first winding electrical tape around the core before winding the wire on, but that is really only pertaining to fairly large cores, which we really don't use in QRP work, except perhaps in an antenna tuner. The knife/scraping method is OK, but great care must be taken to avoid nicking the wire. Sandpaper works better I think, as the probability of knicks is much less. The eraser method should avoid the possibility of nicking altogether.

> Next question: How tightly should one try to wind coils on torroids? I
> recently had some 24 ga wire break while making turn 29 of 33 in the
> last torroid of a kit (L8 in the LDG QRP auto tuner), and only luckily
> found a scrap of that size in the junkbox. I was winding by hand (no
> mechanical advantage) but was trying to get it really tight as two
> torroids were being held together by the winding.

I think that if you are breaking the wire, you are winding the wire much too tightly! If you must have the windings remain rigid, as in a VFO for example, use fingernail polish or Q-DOPE etc. to fasten the windings down. Some folks do this to all of their toroids as a matter of practice.

> Last question: I have a torroid (37-2) which got way too hot. It was
> the rf
> choke for the final in my 5 watt 38 Special, and when the final shorted,
> the battery shorted through the winding. It looked like a toaster
> element after the smoke and flames died down. The rig is okay now (and
> properly fused). All the paint roasted off the torroid, but it cleaned
> up okay and I put it in a labeled plastic bag (good ol' junkbox had a
> spare.) Is it probably safe to assume that it is still okay to reuse?
> The paint is just for
> identification, right? Is the value of the mix still probably okay?

I would replace it! Toroid coils are not indestructable. If too much current is allowed to flow through them, their characteristics can change remarkably. In my book, if the identification paint has burned, then that's way too hot! Dan's Small parts and others sell the cores at several/dollar. It's just not worth the gamble!

<http://www.fix.net/dans.html>

Brian Kassel W5VBO
ARCI # 3623
Phoenix AZ ScQRPions

Date: Mon, 1 Dec 1997 11:08:00 -0500 (EST)
From: "John T. Croteau" <johnc@geekopolis.com>
To: qrp-1@Lehigh.EDU
Subject: [31670] QRP Kits and Rigs
Message-ID: <Pine.BSF.3.95q.971201110319.29693A-100000@uilen.pair.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone point me in a direction to find out more about the Wilderness kits? I am quite familiar with all of the OHR stuff and have only heard ramblings about the Wilderness kits.

Also, could anyone give me a recommendation on a decent SSB & CW QRP rig other than a TenTec Scout or Argo?

I am looking at getting my station back on the air after being gone for almost 4 years. While the CW only kits are very attractive and I plan to build at least one, I would also like to have a decent SSB and CW base rig.

Thanks!

\\ John T. Croteau, A.R.S. KA1VIX
\\\\ Mound, Minnesota johnc@geekopolis.com

Date: Mon, 1 Dec 1997 10:18:54 -0600 (CST)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [31671] QRP in the O.R.
Message-ID: <199712011618.KAA07661@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High gals and gents:

The old artery is clogging up again so I guess it's time for the "big knife". I'll try to sneak the qrp plus into the operating room and use the gerney as an antenna... special qsl to all stations worked... :-)

So if I don't post for a while, be on guard, I shall return as I want to work dx on eighty and forty this winter. QRP style...

Anyone needing any special help with their rig or ant or code speed let me know and I will talk with the "Great Qrp Guy" while the dr's try and do things right... :-)

Be back soon as I can

God Bless
joel

God Bless
Joel

WA5CVM

Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - start)
80 mtr dipole up 50ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Mon, 1 Dec 1997 11:35:53 -0500
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [31672] Schurr hand keys
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-971201163553Z-580@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,

Does anyone out there own or have experience using a Schurr
hand key? What do you think about the key? Email me direct.

Thanks es 73

John WB4OFT
jmckee@rfmd.com

Date: 01 Dec 1997 11:59:03 -0500
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: qrp-l;;
Subject: [31673] 38s: TX/RX offset mod
Message-ID: <1997Dec01.115903-0500@[130.113.234.7]>

NORCAL 38s gang,

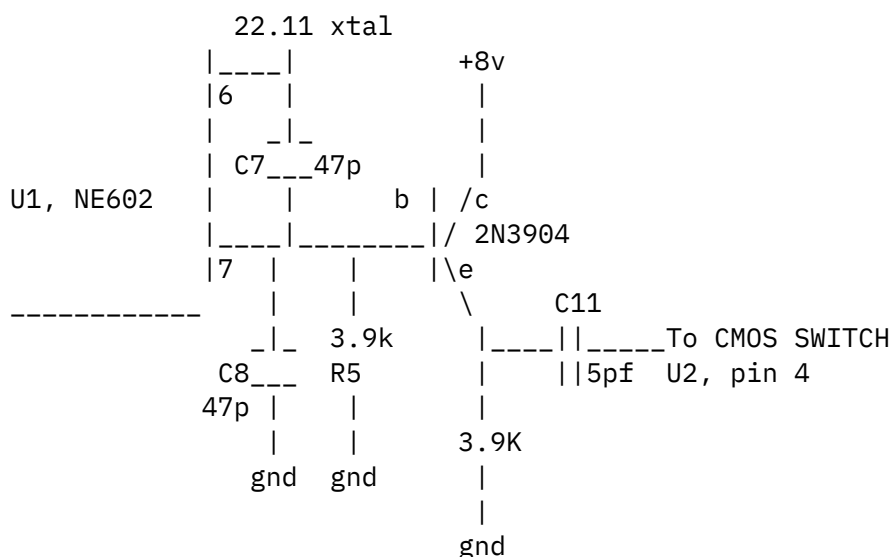
Have been investigating why my 38s doesn't have the
correct TX/RX offset of about 600 - 1000 Hz. Have a
suggestion to get it right.

Checked out the second NE602 (U3) product detector
to see that it was doing the proper frequency shift in
its oscillator. Yes, it shifts about 1 Khz. So if you tune
in a signal for a 1 Khz note, your transmitter should end
up bang on.

Checked the rig live, using a second receiver, and a frequency marker for a reference. Nope, the transmit signal is still off by more than a few hundred hertz.

OK, if the one xtal oscillator is doing the proper shift, then the other (22.11 Mhz VX0) oscillator becomes suspect. The VX0 feeds into U3 via a 5pf coupling capacitor, thru one of the 4066 CMOS switches. Seems that the switch changes the load on the VX0, shifting its frequency.

So added an emitter follower to the VX0 to isolate it from the switch (and the TX mixer). Now the VX0 apparently doesn't shift, and the problem is solved. Here's the circuit, one transistor(2N3904), and one resistor (3.9K) added to the bottom of the board:



So why not simply change C21 to compensate for the shifting VX0? Seems that the VX0 will shift a different amount, depending if you're at the top of the band or the bottom. Not a big variation, but too much for a perfectionist like me.

Gary Surrency suggested another mod that seems to affect TX/RX offset - that's the mod where a bypass capacitor is added to D6's cathode (to ground). A very good idea - it also cleans up some transmit close-in spurs, and helps stabilize the transmitter.

Glen VE3DNL leinwebe@mcmaster.ca

Date: Mon, 01 Dec 1997 11:28:27 -0600

From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [31674] 2N2222
Message-ID: <ABB04875E11AD01191A40000F83092BE566F2D@stone.siaast.sk.ca>
MIME-version: 1.0
Content-type: text/plain
Content-transfer-encoding: 7BIT

Tom, W1EAT, posted an e-mail on Nov.24 about RadCom, Nov.1996, page 36 having a simple keyer...I'm wondering if anyone can send me the information, schematic, etc via e-mail?...I'd like to give it a go...Tom has a cut left hand that is in the healing process right now and typing is difficult for him...hope it's coming along ok Tom!...72 - Bruce (VE5RC) QRP-L#886 - ps - yes, another of my secrets is out now...I got myself a breadboard (one of the old Heathkit Lab breadboards) and I'm actually trying to put something together ala the 2N2222 project...it's a first for me...I'm not going to win any contest but I feel I can gain (no pun intended....yeh, sure!) personally.

Date: Mon, 01 Dec 1997 09:34:30 -0800
From: Laura HALLIDAY <ve7ldh@direct.ca>
To: daniel@pandora.lugs.org.sg
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31675] Re: How to vary gain of MAR-6 MMIC?
Message-ID: <3482F526.1C50E55@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W. Daniel, 9V1ZV wrote:

> I was wondering if anyone has ideas how to control the gain
> of amplifier circuits employing MAR-x type MMIC's?

Use an attenuator. Choose your MMICs to get the gain you want.

The gain is set by internal networks inside the MMIC. They are designed to be fixed gain blocks, ridiculously easy to use. If you need variable gain, they are not for you.

...laura

Date: Mon, 01 Dec 1997 17:45:44 +0000
 From: Ed Loranger <we6w@qsl.net>
 To: Drake-L <drake-l@fablotz.min.net>
 Cc: "Low Power Amateur Radio Discussion dgf@netcom.com msix@rt66.com" <qrp-1@Lehigh.EDU>
 Subject: [31676] DRAKE TR-3 Sidetone answers.
 Message-ID: <3482F7C7.52DD@qsl.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

(NOTE: Delete if uninterested in Hi-Voltage Sidetone circuit.)

About a month ago I started looking into a permanent sidetone solution for my Drake TR-3. Operating QRP, I found that relying on my homebrew RF sensing 555 timer circuit had troubles under 2 watts on less than ideal antennas. Just not enough local signal to operate below 1 watt except on the fundamental freq. of my dipole.

In search of a 'rig compatible' non-IC solution, I consulted the QRP-1 and Drake-1 lists.

I built and tested the following circuits:

Dave Feldman, WB0GAZ sent me this RF sensing Hi voltage sidetone circuit:

```

  (small pf)
  tap into 1N4003 etc
  final
  ||      |\ |      50-100K? .01? NE2? 1 Meg?
-----||-----| >|-----/\ /\ /\-----+-----+---/\ /\ /\-----> to audio output
grid
      ||      |/\ |      |      |      ^      |
                      ===      0      +-----+
                      |      |
                      ---      --- (gnd)
                      ///      ///

```

But I had problems locating a sufficiently stable RF output point from QRPP to QRO power levels.

Then John W7ZFB sent me this circuit:

Keying point----- NE-2 -----1.5Meg----- V point

```

      |      |
      |      |
    200pF  .001
      |      |

```



```

      |      |
    Tone  Gnd
    out

```

Where Keying point is same Voltage and Polarity of Vpoint, but keying point is grounded at key down. Tone Out is connected to Plate of Audio amplifier tube. Note: the audio tone power is weak but sufficient. Connection to audio tube grid is MUCH LOUDER, but varies with audio knob setting so I prefer the Plate connection.

Problems encountered:

The Drake uses the -60 Volt ALC line to cut off the output mixing/keying tube. The -60 volts is current limited by a 3.3 Meg Ohm resistor. Searching for a V point of close to -60 volts was impossible. There is only one negative voltage in the rig and it controls the ALC. Also, anything more than a 1 mA drain to the -60 volt line causes huge swings in plate current (duh., xmt alc line) and apparently the -60 volt supply transformer isn't capable of higher current anyway.

SOLUTION: I connected a diode to the 12.6 Volt heater supply through a 464 ohm resistor. The diode connected for access to the -12.6 voltage as rectified. I connected the -12 volts to a relay coil, then the other coil terminal to the grid keying point. Due to the 3.3 MegOhm resistor to the -60Volt line, relay won't close unless the key line is grounded.

The relay keyed contacts are then used to drive the oscillator 'keying point'. The Normally Open contact is grounded. Approx. 165 Volts Positive is on the 'V Point' and only available during transmit. This is the plate of the buffer amplifier.

The circuit works FB except I used an available Reed relay with a contact rating of about 100 volts. Switching 165 volts caused high resistance oxide to form and periodically sticks. So use a relay designed for 200 volts or higher on the contacts.

All of this relay garbage would be moot if I could find a -60 Volt line in the rig that could handle 5 to 7 millamps.....

Here's a crude drawing of my solution:

```

                                     (+165V on transmit)
                                     |
                                     (1.5 Mohm minimum)
Relay  (keying point)  |
                       | 200pF

```

[illegible]

This is my summary report and thankyou to all who have helped.

Thanks agn.
-Ed Loranger, WE6W
--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068, ARCI#9397, Norcal#2227, ARS#275, AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Mon, 1 Dec 1997 13:49:34 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [31677] FOX: STATE STANDINGS 1997/98 FOXHUNT
Message-ID: <Pine.LNX.3.93.971126124324.854B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was hoping to get this posted before Doc's (and now Rich too!) turn(s) in the barrel, but I was OBE (Overcome By Events). Most notably having the right side of my yard piled up on the left side of my yard to have the water main replaced. So I think I'm "safe" in that my holiday disaster is out of the way now :)

On with the show...

NOTE: I only put in the "top five" standings since I'm way behind on this (got two more foxii to do) all the standings will be back in the next posting. I'll post after NOUR's run (three new hunts).

NEWS:

* AZ breaks the 100 pelt limit
Unlike the "real" variety of foxes it seems we don't need to place a

"Kill Limit" on these critters. The more that get skinned, the more we seem to have, tn timer Chuck.

* OK edges out CO for 4th Place

The top five break down in a now familiar order, with OK besting CO to move up a notch to fourth. The top five as of game 17...

CA-181 TX-147 AZ-103 OK-43 CO-42

* MN gets skunked in Game 17 leaving TX as the only undefeated team.

John, AF9T made a great save for MN (game 16) while K0EVZ was on "vacation" by running across the border to defend MN for the W2UX fox. And no, the use of a beam at 120' had nothing to do with it. :)

I also have other MMN's to post as I get time. This is the first list that has hunts dropped off the left side. I do have all the data, but the columns listed here no longer add up to the totals at the right.

[KI7MN NOTE: if you want *all* the data let me know and I can patch together a complete listing for your webpage. It will end up over 200 columns wide :-0]

1997/98 FOXHUNT STATE SCORES

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	(#= top 5 states)	
	N	N	W	W	N	A	V	N	N	W	K	K	K	W	N	T	R
F	8	R	7	5	Q	B	E	0	0	7	1	8	I	2	8	0	A
O	V	3	Q	F	7	7	7	T	U	Q	M	C	7	U	V	T	N
X	A	Z	Q	N	K	T	C	F	R	Q	G	V	M	X	A	A	K
	R		Q			K	Q	I		Q			N		R	L	
							K										
AK	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
AL	-	2	-	1	-	2	1	-	1	1	4	1	2	-	1	20	
AR	-	2	3	-	1	-	-	-	-	-	-	-	1	-	1	9	
AZ	-	3	8	7	8	6	7	2	7	10	8	4	10	8	-	103	3#
CA	-	4	8	19	18	19	16	12	12	10	9	10	15	6	-	181	1#
CO	-	4	-	4	3	6	3	-	2	-	4	7	2	-	1	42	5#
CT	3	1	2	1	-	-	-	-	1	1	2	-	-	-	1	16	
FL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
GA	-	1	-	1	-	1	-	-	1	-	1	-	-	-	1	8	
IA	1	-	2	1	-	1	1	-	-	3	1	-	-	2	-	13	
ID	-	-	1	1	2	1	3	1	-	1	-	1	1	1	-	14	
IL	-	3	2	3	1	1	1	-	2	1	2	-	-	2	-	18	
IN	1	2	-	3	-	-	-	-	1	2	1	-	1	2	-	13	

KY	-	-	1	1	-	-	-	1	1	1	1	-	1	-	-	9	
MA	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	
MD	1	-	-	2	-	-	-	-	2	-	-	-	-	-	1	9	
MI	-	-	-	4	2	-	1	1	1	-	2	3	-	3	1	18	
MN	2	3	2	5	1	1	2	1	3	4	6	1	2	1	-	38	
MO	2	3	3	-	1	1	2	3	1	4	3	-	1	1	1	31	
MT	-	-	1	1	1	-	-	-	-	-	-	1	1	1	-	8	
NC	2	1	-	2	3	2	1	-	2	3	3	-	1	-	-	24	
ND	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
NJ	1	-	-	1	-	-	-	-	-	-	1	-	-	-	1	6	
NM	-	1	-	2	2	4	3	2	2	1	3	2	3	3	-	31	
NV	-	-	1	2	2	1	1	2	-	2	1	1	1	1	1	19	
NY	4	-	1	1	-	-	-	-	4	3	2	-	1	2	3	28	
OH	-	-	-	3	-	-	1	-	1	-	-	-	-	-	-	5	
OK	2	1	1	-	4	2	1	3	3	5	6	1	3	2	2	43	4#
OR	-	-	2	-	-	-	1	-	1	-	-	-	-	-	-	5	
PA	-	-	-	1	-	-	-	-	2	2	-	-	-	-	3	10	
SC	-	1	-	1	1	-	-	-	1	-	1	-	-	-	-	6	
TN	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
TX	2	12	14	2	9	7	7	4	9	9	12	15	8	13	6	147	2#
UT	-	-	1	2	2	4	1	-	2	-	1	-	1	-	-	16	
VA	1	-	-	1	1	1	-	1	1	1	1	-	-	-	2	13	
WA	-	-	1	-	1	-	-	1	2	-	-	-	-	-	-	5	
WI	-	-	2	4	-	-	-	-	-	1	3	-	-	-	-	10	
GULF	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	3	
AB	-	-	-	-	-	1	1	-	-	-	1	1	1	-	-	5	
BC	-	-	1	1	-	-	-	-	1	1	1	1	-	-	-	7	
ON	1	-	-	2	-	-	-	1	3	2	1	-	-	-	1	11	
SK	-	-	-	1	1	-	1	1	1	1	-	-	-	-	-	7	
NW	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	

Q's 25 47 65 81 65 63 56 36 70 70 81 49 56 48 27 973 -

STATES STILL FOXLESS: DC,DE,HI,KS,LA,ME,MS,NE,NH,RI,SD,VT,WV,WY

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --
```

Date: Mon, 01 Dec 1997 11:58:37 -0500
From: "William F. Nicolson Jr" <n2wf@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31678] 38s sideband supression help!
Message-ID: <3482ECBD.5FEC50D6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys,
I have been working on my 38 special on and off since April. I've gone through most of the mods and have a nice working receiver except it seems to hear both sidebands.
I can tune in a station, continue to tune (cw or up in freq) hear a null then hear the same signal again, I'm assuming on the other sideband. Is this normal for the 38s or do I have a problem? I have tried to answer many CQ's but still have not made a contact.
thanks de Bill N2WF.

Date: Mon, 1 Dec 97 11:48:05 PST
From: Jade Account <jadepro@jadeprod.com>
To: qrp-1@Lehigh.EDU
Subject: [31679] RE:"Suggestions for window feed-throughs?"
Message-ID: <Chameleon.971201115043.jadepro@jadepro.jadeprod.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you want to bother going through the trouble, you can drill glass. You need a very good (sharp) drill bit. Using light pressure, lubricate the chosen hole location with turpentine. A variable speed drill will allow you to find the correct rate to drill at.

Good Luck...

(I prefer the plastic replacement, but have done the above.)

Dennis, K1YPP

Jane Blanchard, KA1FUN, President -- Dennis, Blanchard, K1YPP, Chief Engineer

Jade Products, Inc. Phone: 603-329-6995 (Telephone hours 4 to 10 PM EST)
FAX: 603-329-4499
Orders: 800-523-3776
e-mail: jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: <http://www.jadeprod.com/>

Date: Mon, 01 Dec 1997 12:41:47
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [31680] HB: SWL Rx in Altiods tin
Message-ID: <3.0.1.16.19971201124147.2eb7538e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy all,

Just for fun, I built up a simple SWL AM radio that will fit in an Altiods tin. Well, at least the board does, along with the tuning pot. Volume will have to be internal and speaker external, along with the 9 V battery.

Uses 7- 2N3904's, (Rf amp, VFO, VFO buffer, IF amps and detector, audio amp) 1- J310 jfet (mixer) and a LM386. Super het with 455 Khz IF so I could use those little ceramic filters. Right now, it's set up to tune just the 49M broadcast band. Works pretty good. What's interesting is my use of an emitter follower as an active diode for AM demodulation. I found I had to add another ceramic filter in front of the detector so I could hear more than just the loudest station on the band. Just one filter in front of the IF amp didn't cut it.

For those interested, the emitter follower detector uses a 10 K resistor in the emitter bypassed by a 0.001 ufd cap, followed by an RF choke and another 0.001 ufd cap to strip off the remaining RF carrier. Bias the base so that there is about 1 volt across the 10 K emitter resistor. Works like a peak detector with the RC constant fast enough to follow the audio.

Guess I'll have to write it up seeing that everyone is always looking for

things to build into tins. But first I think I'll try a regen receiver to compare with the super het. The Regen might end up being simpler and work just as well. We'll see.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 1 Dec 1997 14:14:52 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJ-QRP" <njqrp@njqrp.org>, "LIQRP" <liqrp@waterw.com>
Subject: [31681] Logs for LI/NJ QRP Doghouse Operation Sprint Due 22 Dec 97
Message-ID: <199712011913.0AA60166@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang

Just a reminder that the logs for the LI/NJ QRP Doghouse Operation Sprint are due by 22 December 97. I've received a few my snail mail, and over 40 thus far by e-mail.

You can e-mail a message and/or an attached TXT file to kfglynn@prodigy.net, or snail mail to the following:

Kevin F. Glynn
429-73rd Street
Brooklyn, NY 11209

If you snail mail, and like a results sheet to be snail mailed back when complete, please include an SASE.

On behalf of the LI/NJ QRP clubs and myself, thanks a million to all who participated in the Sprint. This is our first venture into contest sponsoring, and I hope many more in the near future.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 1 Dec 1997 14:24:14 -0500
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31682] DSP recommendations
Message-ID: <5030200020477233000002L032*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

I'm putting together a Christmas list for my XYL and would like to put =
a DSP on
the list. I would appreciate any recommendations.

72 - de kc7khd/dale

Dale C. Scott
IBM -- Engineering Technology Solutions
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com
(home) dcscott@ibm.net

OV/VM: dcscott@ibmusm54

=

Date: Mon, 1 Dec 1997 14:27:01 -0500 (EST)
From: W1LP@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31683] FS: Antenna & Keys
Message-ID: <971201132949_1840474655@mrin52.mail.aol.com>

Hi Gang,

Gotta clean out some stuff:

ITT Mackay Marine Lifeboat Antenna. It comes in (6) sections with an
insulated base and mount. The sections screw together to make a vertical abt
25' tall. This was spare and is new in the box. Very high quality
construction out of fiberglass and chrome plated brass. Would make a great
portable antenna.

\$75 shipped CONUS

Bencher BY-1 Paddles, black base, good condition.

\$45 shipped CONUS

ITT Mackay Marine Straight Key, actually, it is a Speed-X in a blue enclosure, with a steel base. Good condition, from the the now dismantled shack of KAFO since the installation of GMDSS

\$50 shipped CONUS

(508) 833-3890 or reply direct as I'm a digest subscriber

72, Clint W 1 Low Power

Date: Mon, 1 Dec 1997 12:29:23 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-l@Lehigh.EDU, cw@qth.net
Subject: [31684] Straight Key Survey
Message-ID: <199712011929.MAA16366@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Can you spare a minute to describe your straight-key preferences?

Your response to these questions will be greatly appreciated, and summary results of the survey will be made available to the group. Background follows the survey questions. Please answer on the basis of your actual preference, not necessarily what you are using now.

-----<cut here>-----

What kind of knob do you prefer?

- a) flat,
- b) round,
- c) round with skirt (e.g. "Navy" knob)
- d) other -- please describe.

Do you have a size preference for the knob? If so, do you prefer

- a) a small knob (3/4" diameter or less), or
- b) a large knob (diameter greater than 3/4").

What distance do you prefer to have the knob above the operating surface?

- a) half an inch or less
- b) more than half an inch.

What is your usual (or most comfortable) sending speed with a straight key?

- a) 5-10 wpm
- b) 10-15 wpm
- c) 15-20 wpm
- d) more than 20 wpm

-----<end of survey form>-----

Please e-mail your response to keysurvey@mtechnologies.com

All responses will be held in confidence. Processing will be largely automatic, so please do not expect a reply or confirmation.

As many of you know, my company is importing straight keys from Japan. We initially chose a specific model which conformed to "American style" sending. That is, a key with a flat knob close to the table surface for operation with the forearm resting on the table. Although there are obvious exceptions, there seems to be a historical distinction between that style of key and the "British style," which has the knob somewhat higher from the table and a round knob (with or without a "skirt"), used with the forearm off the table. Those distinctions don't mean a great deal these days, and my own suspicion is that most of us have simply adapted our sending technique to whatever key is available.

In addition to posting the information we gain from this survey, we will use it to determine which models or styles we import if there are clear patterns.

Thanks...

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

Date: Mon, 01 Dec 1997 15:38:28 -0800
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>, n2wf@erols.com
Subject: [31685] Re: 38s sideband supression help!
Message-ID: <34834A74.5030@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mine is the same.

I did the original RIT mod (but with a center detent variable and no switch) and the recommended revised 5 watt mod (got a tick chip but the revisions to the fix of the fix for the mod to the mod on I am not sure which schematic at the "top" confused me).

Anyhow, at one end of the tuning I transmit on one side of zero beat(ie the null) and at the other end of the tuning I am transmitting on the other side of zero beat. Set up my QRP+ and used a dummy load to calibrate the dial. Made a paper "dial" with two different colors at several points along the dial: first color for zero beat and second color for where I need to transmit from to be heard at that frequency. Did this a while ago and I probably have the transmit and receive shifts all backwards but you get the idea. I 1)listen to both sidebands and 2)find the null; then 3)at one end of the dial I need to listen on one side of the null and at the other end I have to listen to the other side if I want to be on the same frequency as the other guy.

There may have been a mod or mods that resolve this but I haven't found them, yet; built it before getting email or web access and initially relied on QRPp. Borrowed web access once when it wouldn't tune.

Couldn't find a fix. Empirically, eventually, replaced the crystal which cured it and much later read about the 3rd harmonic crystals.

Don't know if that helps but if you figure it out or understand what's going on with mine let me know. Tnx.

72

de Jerry AA10F

Date: Mon, 1 Dec 1997 16:00:05 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [31686] Paddlette?
Message-ID: <Pine.LNX.3.95.971201155942.3733J-100000@w3eax.umd.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I know I saw one at Tuthill...how to get in touch with the company?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Mon, 1 Dec 1997 16:02:06 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [31687] Paddlette - quick answer!
Message-ID: <Pine.LNX.3.95.971201160149.3733K-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow. Got it.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Mon, 1 Dec 1997 16:15:18 -0500
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-l@Lehigh.EDU
Subject: [31688] clementine boxes
Message-ID: <199712012115.QAA04828@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This time of year our grocery stores carry clementine oranges from Spain. Beside being sweet, juicy and seedless these come in boxes made from very thin plywood, held together with staples. A couple of minutes with a pair of pliers and you have some easy to work with "homebrew enclosure" parts.

I have a little rig made from trash parts like peanut butter lid tuning knobs, tuna can capacitors and orange crate panels, and

"cockroach" NPN transistors. "Junquita" probably works better than my first few rigs!

72/73

Tom W1EAT

Date: Mon, 1 Dec 1997 15:13:21 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [31689] Grounding Question
Message-ID: <00042809.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Gang,

I'm all set up again. Got a 135' dipole tuning on 160-10m and got the R5 mounted on the roof. Bring on the fox! (finally)

Silly (but important question);

I've got the R5 mounted on the roof with a tripod mount. Mounts the R5 high and in the clear. My basic question is grounding the tripod. When installed at my former QTH, the R5 was ground mounted, with the mast (pipe) planted right in the ground. Now, I have the tripod up about 25' and want to ground it properly.

At present, I have the tripod grounded via a large diameter wire coming down the side of the house. The wire goes to my 5' ground rod right outside the shack window. My main shack ground uses this same ground rod and uses a #6 copper wire into the shack's ground buss. If a lightning strike occurs on the R5 tripod, will the energy pass to the ground rod and, since my station equip. is also connected to this ground rod, blow up

my shack equipment? Should the R5 be grounded
independently from the main station ground?

What is the best method to ground the R5
mount?

TIA and see you on the bands (finally).

73 de Dave NR3E/5
nr Dallas, TX
qrp-1 #25

Date: Mon, 1 Dec 1997 22:48:00 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: qrp-1@Lehigh.EDU
Subject: [31690] Re: qrp and cq ww cw test
Message-ID: <199712012252.RAA24521@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The Kanga miniR2, T2, and LM-2 by KK7B can be put on all modes on 10
meters...

>
> How about a norcal kit for 10 meters to take advantage of the soon
> to be much better propagation? CW or SSB would be fine....both would
> be fantastic!
>
>
>
> Dr. Rick Zabrodski MD, CCFP(EM) ACBOM * VE6GK
> Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
> Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"
>
>
>
>
>
>
>
>
>
>
73 - Bill - N8ET

Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Mon, 01 Dec 1997 16:53:14 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [31691] FOX: N/T - NOGLM report - 27 Nov and 29 Nov UTC
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFC0@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings all.

The report for the 27 Nov 0000-0200 UTC (26 Nov 1900-2100 EST) is pretty grim. I didn't complete a contact with anybody. N4PK tried to work me. I got his state (GA) and QRP number (130) but couldn't get his name or RST. I couldn't tell if he was having some sort of technical difficulties.

I also tried to work WD4MSM but he faded before we could connect.

I did start half an hour late because I was trying to get my antenna up higher, not that it seemed to do me any good. :)

Friday, 29 Nov 0000-0200 UTC (28 Nov 1900-2100 EST), there was a family crisis event occurring at this time. Considering I desire to keep my family, I didn't get on the air.

72
Preston, NOGLM

Date: Mon, 01 Dec 1997 16:57:11 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [31692] FOX: N/T Schedule change - NOGLM
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFC1@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings all,

I need to move my operating time back by 24 hours. From 4 Dec 0000-0200

UTC (3 Dec 1900-2100 EST) to 5 Dec 0000-0200 UTC (4 Dec 1900-2100 EST).

The antenna is a G5RV at 20ft being driven by a Yaesu 757GX at 5w.
Code speed is slow.

BTW, one of Santa's elves (the cute blonde one with curly hair) has said that I behaved so well this year that I will probably be getting a new MFJ vertical antenna for yuletide. Perhaps this will help my signal.

72,
Preston N0GLM

Date: Mon, 01 Dec 1997 22:55:44 +0000 (GMT)
From: Kevin Muenzler WB5RUE <wb5rue@amsat.org>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: David Kreinberg <kreinbd@ccgate.dl.nec.com>
Subject: [31693] RE: Grounding Question
Message-ID: <19971201.225544.wb5rue@amsat.org>

David Kreinberg <kreinbd@ccgate.dl.nec.com> writes:

>
> Gang,
>
> I'm all set up again. Got a 135' dipole tuning
> on 160-10m and got the R5 mounted on the roof.
> Bring on the fox! (finally)
>
> Silly (but important question);
>
> I've got the R5 mounted on the roof with a tripod
> mount. Mounts the R5 high and in the clear. My
> basic question is grounding the tripod. When
> installed at my former QTH, the R5 was ground mounted,
> with the mast (pipe) planted right in the ground.
> Now, I have the tripod up about 25' and want to
> ground it properly.
>
> At present, I have the tripod grounded via a large
> diameter wire coming down the side of the house.
> The wire goes to my 5' ground rod right outside
> the shack window. My main shack ground uses this
> same ground rod and uses a #6 copper wire into
> the shack's ground buss. If a lightning strike
> occurs on the R5 tripod, will the energy pass

> to the ground rod and, since my station equip.
> is also connected to this ground rod, blow up
> my shack equipment?

ABSOLUTELY IT WILL!! It will fry everything that is connected to that ground wire. I've been in my shack when lightning hit my antenna, which was grounded. Fortunately everything was already disconnected. It was like a fireworks display! You have a several million volt charge on that conductor. The lightning strike is DC in nature but acts like AC because it is a very short, very high energy pulse. So your wire will act like a capacitor and carry the charge as if it was a "plate" in a capacitor and the room (walls, floor, etc.) were the other "plate." Also since there is a several million volt potential on the wire it will tend to arc to other things of less potential along the way to the ground. I've had the copper pipe arc to the tower itself. The antenna is grounded directly using this pipe and the tower is grounded at its base so along the way there is a difference in potential, thus an arc. Very strange stuff.

> Should the R5 be grounded
> independently from the main station ground?

It isn't a bad idea to do this but you still need to disconnect your antenna during a storm.

> What is the best method to ground the R5
> mount?

8' ground rod and #4 or bigger wire. I am using 1/2" copper pipe as the ground conductor. The connections in the pipe are brazed and not soldered. Solder will vaporize in the event of a direct strike.

> TIA and see you on the bands (finally).
>
> 73 de Dave NR3E/5
> nr Dallas, TX
> qrp-1 #25
>

If you want more information I have an article that was published some time ago by the ARRL. I'll send it to you and anyone else who wants it. It is quite lengthy, about 25K so I won't post it directly to the list.

Kevin, WB5RUE
wb5rue@amsat.org

End of QRP-L Digest 926
